

**Volume**

**#**

**R0308**

## INDEX DIAGRAM.

Township 6 S.				Range 5 W.			
36	38	38	40	41	42		
35	116	99	88	77	65	1	
115	114	98	87	76	64		
33	113	97	86	74	63	12	
112	110	96	85	73	62		
32	110	95	83	73	61	13	
108	107	94	82	72	60		
31	106	94	81	70	58	24	
105	105	93	80	69	57		
30	104	91	79	68	56	23	
102	101	90	79	67	55		
29	100	89	78	66	54	22	
27	26	25	24	23	22		

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, ..... and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by striking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines, that we will in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman,

, Chainman,

Subscribed and sworn to before me this .....  
day of ..... , 189 }



WE, ..... and

do solemnly swear that we will well and truly perform the duties of mounidmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Mounidman,

, Mounidman,

Subscribed and sworn to before me this .....  
day of ..... , 189 }



WE, ..... and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman,

, Cutter,

Subscribed and sworn to before me this .....  
day of ..... , 189 }



I, ..... do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of .....

, Flagman,

Subscribed and sworn to before me this .....  
day of ..... , 189 }



## INDEX DIAGRAM.

Township 5 S., Range 5 W.

183	216	198	184	171	158	
215	217	197	184	170	157	
182	213	196	182	169	156	
212	211	194	181	168	154	
181	209	193	179	167	153	
208	207	192	178	165	152	
180	206	190	177	164	151	
205	203	189	175	163	149	
179	202	188	174	162	148	
201	200	187	173	160	147	
127	199	186	172	159	146	

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We,

and

do solemnly swear that we will well and faithfully execute the duties of chain carriers, to chain over even and uneven ground, and plumb the tally pine, either by the compass or by the sun; we will report the true distances to all notable objects, and the true elevation of the land, by measuring, to the best of our skill and ability, and in accordance with the rules and methods

Subscribed and sworn to before me this

day of .

, 189

Y

SEAL

We,

and

do solemnly swear that we will well and truly perform the duties of corner carriers, according to the instructions given us, to the best of our skill and ability, in the survey of

Subscribed and sworn to before me this

day of .

, 189

Y

SEAL

We,

and

do solemnly swear that we will well and truly perform the duties of flagman, and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

Subscribed and sworn to before me this

day of .

, 189

Y

SEAL

I, ... do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

Subscribed and sworn to before me this

day of .

, 189

Y

SEAL

BOOK A-303

INDEX DIAGRAM.

Township 5 S., Range 3 W.

	228	229	229	229		
6	266	280	289	289	2	1
7	264	279	287	288		
8	263	278	286	286	11	12
9	262	277	284	285		
10	261	276	283	283	14	13
11	260	275	282	282		
12	259	274	274	274	23	24
13	258	273	273	273		
14	257	271	271	271	26	25
15	256	268	269	269		
16	254	267	267	267	25	26
17	250	261	262	262		

Meanders Page.

**PRELIMINARY OATHS OF ASSISTANTS.**

We . . . . . and . . . . .  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the  
chain, or even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that  
we will report the true distances to all notable objects, and the true lengths of all lines that we assist in  
carrying, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

### *Classification.*

... Chinaman.

Subscribed and sworn to before me this ..... }  
day of ..... , 189 }.



We, ..... and ..... do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

### Momordica.

## *Mountain.*



We, ..... and ..... solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

S. M. SAWYER

—*Leaven,*

Subscribed and sworn to before me this ..... )  
day of ..... , ..... A.D. 189. (



I,                         , do solemnly swear that I will well and truly perform the duties of the place according to instructions given me, to the best of my skill and ability, in the year                     .

Fluman

referred to as the *total* or *absolute* value of the error.



BOOK A-303

INDEX DIAGRAM.

Township		5		Range		6	W.
312	311	309		308		307	306
313	6	338	5	335	4	332	3
						329	2
				336		333	330
	7		8		9	334	10
						331	11
						328	12
18		17		16		15	
19		20		21		22	
20		29		28		27	
21		32		33		34	
						35	
						36	

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE,

and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

-----, Chainman.

-----, Chainman.

Subscribed and sworn to before me this -----  
day of -----, 189 }



WE,

and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

-----, Moundman.

-----, Moundman.

Subscribed and sworn to before me this -----  
day of -----, 189 }



WE,

and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

-----, Axman.

-----, Axman.

Subscribed and sworn to before me this -----  
day of -----, 189 }



I, -----, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of -----

-----, Flagman.

Subscribed and sworn to before me this -----  
day of -----, 189 }



## INDEX DIAGRAM.

Township 1 S., Range 5 W.

350	6	435	5	434	4	430	3	427	2	422	1
	436			432		431		428		423	
351	7		8		9	433	10	429	11	424	12
								425			
18		17		16		15		14	426	13	
19		20		21		22		23		24	
30		29		28		27		26		25	
31		32		33		34		35		36	

Meanders Page.....

## PRELIMINARY OATHS OF ASSISTANTS.

WE, \_\_\_\_\_ and \_\_\_\_\_ solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the ground over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in surveying, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

\_\_\_\_\_, Chairman.

\_\_\_\_\_, Chairman.

scribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 1899 }



WE, \_\_\_\_\_ and \_\_\_\_\_ solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

scribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 1899 }



WE, \_\_\_\_\_ and \_\_\_\_\_ solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

scribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 1899 }



I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Flagman.

scribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 1899 }



INDEX DIAGRAM.

Township 6 S., Range 3 W.

6	364	5	374	4	3	2	1
365	375		376				
7	366	8	377	9	10	11	12
367	378		379				
18	368	17	380	16	15	14	13
370	381		382				
19	371	20	383	21	22	23	24
372							
30	373	29		28	27	26	25
31		32		33	34	35	36

Meanders Page

## PRELIMINARY OATHS OF ASSISTANTS.

We, ..... and .....  
I solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this ..... }  
day of ..... , 189 }



We, ..... and .....  
I solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this ..... }  
day of ..... , 189 }



We, ..... and .....  
I solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this ..... }  
day of ..... , 189 }



I, ..... do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of .....

....., Flagman.

Subscribed and sworn to before me this ..... }  
day of ..... , 189 }



## INDEX DIAGRAM.

Township 6 S.				Range 6 W.			
403	404	405	406	407	408	409	
401 6	541 5	523 4	510 3	497 2	485 1		
540	539	522	509	496	484		
401 7	538 8	521 0	508 10	495 11	483 12		
537	535	520	507	494	482		
399 18	534 17	519 16	506 15	493 14	481 13		
533	532	517	505	492	480		
398 19	531 20	516 21	503 22	491 23	478 24		
530	529	515	502	489	477		
397 30	527 29	514 28	501 27	488 26	476 25		
526	525	512	500	487	475		
396 31	524 32	512 33	499 34	486 35	474 36		

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of \_\_\_\_\_

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 1899      }



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 1899      }



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 1899      }



I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 1899      }



## BOOK A-308

## INDEX DIAGRAM.

Township 5 S., Range 7 W.

462	621	603	591	578	565	
620	619	602	590	577	564	
460	618	601	589	576	563	12
617	616	600	588	575	562	
459	615	599	586	574	561	13
614	612	598	585	572	560	
458	611	597	583	572	559	24
611	609	596	583	570	558	
457	608	594	581	569	556	25
607	606	593	580	568	555	
455	605	592	579	567	554	36
454	453	452	450	449	448	

Meanders Page.....

## PRELIMINARY OATHS OF ASSISTANTS.

WE, ..... and .....

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., *Chairman.*

....., *Chairman.*

Subscribed and sworn to before me this ..... }  
day of ..... , 189 }



WE, ..... and .....

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., *Moundman.*

....., *Moundman.*

Subscribed and sworn to before me this ..... }  
day of ..... , 189 }



WE, ..... and .....

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., *Axman.*

....., *Axman.*

Subscribed and sworn to before me this ..... }  
day of ..... , 189 }



I, ..... , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of .....

....., *Flagman.*

Subscribed and sworn to before me this ..... }  
day of ..... , 189 }



4-078.

FILED  
AUG 19 1904  
*out*  
H. A. B.

BOOK A-308

# FIELD NOTES

OF THE SURVEY OF THE

SOUTH, WEST, AND NORTH BOUNDARIES

of

Township No. 6 South, Range No. 5 West.

Of the Gintah Special Base and Meridian,

State of Utah.

AS SURVEYED BY

John H. Stewart and Andy J. Stewart, United States Deputy Surveyor,  
their Contract No. 373, dated July 22, 1903.

Survey commenced October 17, 1903.

Survey completed October 21, 1903.

*4-078*

*5.78*  
*5.78 14*  
*6.00 00*  
*5.78 00*

NAMES AND DUTIES OF ASSISTANTS.

Alma Peterson ..... Chainman

Angus M. Woodbury, ..... Chainman

Omero Merriotti ..... Moundman

Gilbert Maesar ..... Moundman

John Clark, ..... Axman

Sorn F. Peterson, ..... Axman

Jesse R. Peterson ..... Flagman

For preliminary affidavits see book "B" T. 5 S., R.

4 W.

Volume

#

R0308

BOOK A-308

INDEX DIAGRAM.

*Township....., Range.....*

6	5	4	3	2	1
7	6	9	10	11	12
16	17	18	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

*Meanders Page.....*

## **PRELIMINARY OATHS OF ASSISTANTS.**

We solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the ground over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

《“五三三”年记》。

1983-1984

scribed and sworn to before me this ..... .

day of September 190



We can now proceed to the construction of the required function.

solemnly swear that we will well and truly perform the duties of mountedmen in the State, at all corners, according to the instructions given us, to the best of our skill and ability, in the service of

18/03/2023

MARCH, 1877.

cribed and sworn to before me this

lay of *.....* and 190



We can now use the same approach to find the  $\hat{M}_1$  matrix.

solemnly swear that we will well and truly perform the duties of women in the establishment of our  
other duties, according to instructions given us, to the best of our skill & abilities, to the honor of

1762

卷八十一

scribed and sworn to before me this

tax of 100



I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the name of \_\_\_\_\_.

Emissions

scribed and sworn to before me this ..... .

ay of \_\_\_\_\_, 190



South boundary of T. 6 S., R. 5 W.

Survey commenced October 17, 1903, and executed with a Young and Sons, light mountain transit, No. 7382, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs:

The instrument was examined, tested on the mer. at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on August 21, 1903.

I examine the adjustments of the instrument and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a mer. determined by obsn. on Pol., I proceed as follows: At the cor. of Tps. 6 and 7 S., Rs. 4 and 5 W., latitude  $39^{\circ} 55' 01''$  N., longitude  $110^{\circ} 26' 00''$  W., I set off  $39^{\circ} 55' 01''$  N., on the lat. arc;  $0^{\circ} 03' 03''$  S., on the decl. arc; and at 4 h 2 m p.m., l.m.t., I determine a mer. with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

At 5 h 30 m p.m., l.m.t., I obs. Pol. at eastern elong. in accordance with the Manual, and mark a point thereof on a peg driven in the ground, 5.00 chs. N. of the cor.

October 17, 1903.

---

October 18, 1903; at 6 h 30 m a.m., l.m.t., I lay off the azimuth of Pol.  $1^{\circ} 34.8'$  to the west, and mark a point in the mer. thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.34 ins. east of the mark determined with the solar.

South boundary of T.6 S., R.5 W.-Continued.

Chs.	At 7 h 30 m a.m., l.m.t., I set off $39^{\circ}55'N.$ , on the 1st. arc; $9^{\circ}15'S.$ on the decl. arc; and mark the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.30 ins. east of the mer. determined by Pol. obsn.  The solar apparatus by p.m. and a.m. observations, defines positions for meridians, respectively about $0'18''$ west and $0'16''$ east of the mer. determined by Pol. obsn.; therefore I conclude that the adjustments of the instrument are satisfactory.  The magnetic bearing of the meridian, at 7 h 50 m a.m., is $N.16^{\circ}33'W.$ , the angle thus determined, gives the mag. decl. $16^{\circ}33'E.$ .
	On account of not having the notes of the Reservation bdy. we cannot survey T.7 S., R.5 W., therefore we conclude to run the N. bdy. of T.7 S., R.5 W., as the S. bdy. of T.6 S., R.5 W., and proceed with the survey of T.6 S., R.5 W., Therefore I run, West, along South bdy. of Tp., bet. secs. 1 and 36.  Over mountainous land; through heavy timber. Ascend abruptly.
13.00	Top of ridge, 600 ft. above Tp. cor., bears $N.66^{\circ}E.$ and $S.66^{\circ}W.$  Desc.
13.50	Leave timber, and enter dense sage brush, bears $N.66^{\circ}E.$ and $S.66^{\circ}W.$
40.00	Set a sandstone, $18 \times 8 \times 5$ ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
47.60	Bottom of hollow, 250 ft. below ridge, course $N.70^{\circ}E.$  Asc.
80.00	Set a sandstone, $28 \times 8 \times 6$ ins., 21 ins. in the ground, for cor. of secs. 1, 2, 35, and 36, marked with 1 notch on E. and

South boundary of T. 6 S., R. 7 W.-Continued.

Chs.	5 notches on W.edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, N.of cor. This cor. is 500 ft. above hollow. Land, mountainous. Soil, gravelly loam; 2nd rate. Timber, cedar and pinon pine. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
	West, bet. secn. 2 and 35. Over mountainous land; through dense undergrowth. Asc. 6.80 Top of ridge, 40 ft. above sec.cor., bears N. 60° E. and S. 30° W. Desc.
20.00	Enter scattering timber, bears N. and S.
29.00	Bottom of Canon, 700 ft. below ridge, course N. 10° E. Asc.
40.00	Set a sandstone, 16x8x5 ins., 11 ins. in the ground, for ½ sec.cor., marked $\frac{1}{2}$ on N.face; from which A pedar, 8 ins. diam., bears N. 85° E., 15 lks. dist., mkd. $\frac{1}{2}$ S 35 B T. A pinon pine, 4 ins. dia., bears S. 17° W., 74 lks. dist., mkd. $\frac{1}{2}$ S 2 B T.
43.00	Leave timber, bears NE and SW.
45.00	Top of abrupt ascent, bears N. 70° E. and S. 70° W.
80.00	Point 800 ft. above canon. Set a sandstone, 20x10x6 ins. 15 ins. in the ground, for cor. of secs. 2, 3, 34, and 35, marked with 2 notches on E. and 4 notches on W.edges; from which

- Obs. An aspen, 5 ins. diam., bears N.30° E., 100' lbs.  
 dist., sec. 7 S. R. 8 T. 3 E. 3 P.  
 An aspen, 6 ins. diam., bears S.50° W., 100' lbs.  
 dist., sec. 7 S. R. 8 T. 3 E. 3 P.  
 No other trees within limits; dig pits, 18x18x18 ins., in  
 sec. 34 and 35, 5 ft. dist.; and raise a mound of earth, 3 ft.  
 base, 1 $\frac{1}{2}$  ft. high, N. of cor. in the center of the  
 land, mountainous.  
 Soil, gravelly loam; 2nd rate.  
 Timber, cedar, pinon pine, red pine, and aspen.  
 Undergrowth, sage brush.  
 Good grass for grazing.  
 Mountainous land, or land covered with dense undergrowth,  
 60.00 chrs.  
 East, on a true line bet. secs. 3 and 34.  
 Over mountainous land; through scattering timber and scat-  
 tering undergrowth.  
 Sec.  
 2.40 Enter heavy aspen timber, bears N.60° W. and S.60° E.  
 10.00 Leave timber, bears N.20° W. and S.20° E.  
 40.00 Top of ridge, 200 ft. above sec. cor., bears NE and SW.  
 Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for  
 sec. cor., marked + on N. face; and raise a mound of  
 stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.  
 Desc.  
 64.00 Enter heavy aspen timber, bears N. and S.  
 65.00 Head of hollow, 200 ft. below ridge, course N.30° E.  
 Sec.  
 72.00 Leave timber, bears N. and S.  
 78.00 Top of ridge, 200 ft. above hollow, bears N.30° E. and S.30°

South boundary of T. 6 S., R. 5 W.-Continued.

Chs.	Desc.
80.00	<p>Set a sandstone, 24x12x6 ins., 18 ins. in the ground, for cor. of secs. 3, 4, 33, and 34, marked with 3 notches on E., and W. edges; and raise a mound of stone, 2 ft. base, 1<math>\frac{1}{2}</math> ft. high, W. of cor.</p> <p>Land, mountainous.</p> <p>Soil, gravelly. 2nd rate.</p> <p>Timber, aspen.</p> <p>Undergrowth, sage brush.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, 80.00 chs.</p> <p>October 18, 1903: At the noon hour the sky is overcast and solar observations are impossible.</p> <hr/> <p>West, on a true line bet. secs. 4 and 33.</p> <p>Over mountainous land:</p> <p>Desc.</p>
20.25	<p>Bottom of hollow, 400 ft. below sec. cor., course N. 10° W.</p> <p>Enter heavy aspen timber, bears N. 10° W. and S. 10° E.</p> <p>Note: There is a corral about 10.00 chs. down this hollow. There is a spring enclosed by a fence about 3.00 chs. SW. of the corral; neither the spring nor the corral can be seen from line.</p> <p>ASC.</p>
30.30	Leave timber, bears N. and S.
31.40	Top of ridge, 250 ft. above hollow, bears N. and S.
	Desc.
38.50	Enter scattering aspen timber, bears N. and S.
40.00	<p>Set a sandstone, 20x7x7 ins., 15 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked <math>\frac{1}{2}</math> on N. face; from which</p> <p>An aspen, 5 ins. dia., bears N. 5° W., 22 lks. dist., mkd. <math>\frac{1}{4}</math> S 33 B T.</p> <p>An aspen, 5 ins. dia., bears S. 38° E., 44 lks.</p>

South boundary of T. C. S. R. & I. -Continued.

Chs.	dist., mks. t 8 4 B. T.
42.00	Bottom of hollow, 150 ft. below ridge, course N. 52° E.
	Asc.
43.50	Leave timber, bears NE and SW.
76.00	Top of ridge, 450 ft. above hollow, bears N. 30° E. and S. 20° W.
	Desc.
80.00	Set a sandstone, 20x14x3 ins., 15 ins. in the ground, for cor. of secs. 4, 5, 32, and 33, mkd. with 4 notches on E. and 2 notches on W. edges; and raise a mound of stone, 2 ft. base, $\frac{1}{2}$ ft. high, W. of cor. (lives in the arch) Ju. Land, mountainous. (lives on) J. S. G. S. 31, 1920-00 Soil, gravelly loam; 2nd rate. (lives on) J. S. G. S. 31, 1920-00 Timber, aspen. Good grass for grazing. Mountainous or heavily timbered land, 80.00 chs.

West, on a true line bet. secs. 5 and 32.

Over mountainous land;

Desc.

21.75 Bottom of hollow, 400 ft. below ridge, course N.

Asc.

32.00 Top of ridge, 250 ft. above hollow, bears N. and S.

Desc.

40.00 Set a sandstone, 18x6x6 ins., 12 ins. in the ground, for  
sec. cor., marked \* on N. face; from which

An aspen, 14 ins. dia., bears N. 53° W., 35 lks.

dist., mkd. t S. 32 B. T.

An aspen, 6 ins. diam., bears S. 52° E., 28 lks.

dist., mkd. t S. 5 B. T.

40.75 Bottom of hollow, 200 ft. below ridge, course N. 10° W.

Enter heavy aspen timber, bears with hollow.

Asc.

Book A 500

South boundary of T. 6 S., R. 5 W. -Continued.

Chs.	
45.00	Top of spur, 30 ft. above hollow, bears N. 20° E. and S. 20° W. Desc.
47.00	Bottom of hollow, 40 ft. below ridge, course N. 20° E. Asc.
48.00	Leave timber and enter dense sage brush, bears N. 20° E. and S. 20° W.
76.00	Top of ridge, 500 ft. above hollow, bears N. 30° E. and S. 30° W. Desc.
80.00	Set a sandstone, 20x20x5 ins., 15 ins. in the ground, for cor. of secr. 5, 6, 31, and 32, marked with 5 notches on E. and 1 notch on W. edges; and raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor. Land, mountainous. Soil, gravelly; 2nd rate. Timber, aspen. Undergrowth, sagebrush. Good grass for grazing. Mountain is or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
	West, on a tree line bet. secr. 6 and 31. Over mountainous land; through dense undergrowth. Desc.
13.00	Leave undergrowth and enter heavy aspen timber, bears N. and S.
18.00	Leave timber, bears N. 80° W. and S. 80° E. Begin abrupt descent, bears N. 45° W. and S. 80° E.
27.00	Enter scattering timber, bears N. and S.
40.00	Set a sandstone, 28x10x7 ins., 21 ins. in the ground, for $\frac{1}{2}$ sec. cor. marked $\frac{1}{2}$ on N. face; from which

## South boundary of T. 6 S., R. 7 W.-Continued.

Chs.	A red pine, 8 ins. diam., bears N 80° E., 104 lks. dist., mkd. $\frac{1}{4}$ S 6 BT.
	A red pine, 30 ins. dia., bears N. 78° W., 170 lks. dist., mkd. $\frac{1}{4}$ S 31 B T.
44.00	Bottom of canon, 800 ft. below sec. cor., course NW. Asc. abruptly.
44.25	Leave timber, bears NW and SE.
61.50	Top of ridge, 800 ft. above canon, bears N. and S. Desc. abruptly.
72.00	Bottom of canon, 350 ft. below ridge, course N. 30° W. Enter scattering pine timber, bears with canon. Asc. Allowing for convergency. Set a sandstone, 18x9x6 ins., 12 ins. in the ground, cor cor. of Tps. 6 and 7 S., Rs. 5 and 6 W., marked 6 S on NE, 5 W on SE, 7 S. on SW., and 6 W on NW faces; with 6 notches on each edges; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor.
78.79	Land, mountainous. Soil, gravelly loam; 2nd rate. Timber, pine and aspen. Good grass for grazing. Undergrowth, sage brush. Mountainous or heavily timbered land, or land covered with dense undergrowth, 78.79 chs.

October 18, 1903.

West boundary of T. 6 S., R. 5 W., Socorro County, New Mexico

- Chs. 12.1 sec. 20, E. end of 20th decl. arc, 500 ft. above hollow.  
 At 8.30 A.M. I arrived at the point marked  
 October 19, 1903; At 7 h. 30 m. a.m., I set off  $39^{\circ} 55'$   
 N. on the lat. arc;  $9^{\circ} 37'$  S. on the decl. arc; and determine  
 a mer. with the solar, at the cor. of Tps. 6 and 7 S., Rs.  
 5 and 6 W. (Lat. 39 $^{\circ}$  55' N.; Decl. 9 $^{\circ}$  37' S.)  
 Then I run  
 North, bet. secs. 31 and 36.  
 Over mountainous land; through scattering timber.
- Desc.
- 13.00 Bottom of hollow, 500 ft. below Tp. cor., course NW.  
 Ascend.
- 32.40 Top of ridge, 300 ft. above hollow, bears N.  $60^{\circ}$  W. and S.  $60^{\circ}$  E.  
 Desc.
- 40.00 Set a sandstone, 20x16x5 ins., 15 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which  
 A red pine, 8 ins. dia., bears S.  $10^{\circ}$  E., 17 lks.  
 dist., mkd.  $\frac{1}{4}$  S 31 B T.  
 A red pine, 30 ins. diam., bears W., 29 lks.  
 dist., mkd.  $\frac{1}{4}$  S 36 B T.
- 58.25 Bottom of hollow, 500 ft. below ridge, course N.  $75^{\circ}$  W.,  
 Asc.
- 68.50 Top of ledge, 30 ft. high, bears E. and W.
- 80.00 Point 600 ft. above hollow.  
 Set a sandstone, 24x8x5 ins., 18 ins. in the ground, for  
 cor. of secs. 25, 30, 31, and 36, marked with 5 notches on  
 N. and 1 notch on S. edges; from which  
 A pinon pine, 10 ins. diam., bears N.  $77^{\circ}$  E., 43 lks.  
 dist., mkd. T 6 S R 5 W S 30 B T.  
 A pinon pine, 8 ins. dia., bears S.  $40^{\circ}$  E., 25 lks.  
 dist., mkd. T 6 S R 5 W S 31 B T.  
 A pinon pine, 8 ins. dia., bears S.  $73^{\circ}$  W., 36 lks.  
 dist., mkd. T 6 S R 6 W S 36 B T.

West boundary of T. 6 S., R. 5 W.-Continued.

- |       |                                                                                                                                                                  |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chs.  | A pinon pine, 9 ins. dia., bears N. 85° W., 21 lks.<br>dist., mkd. T 6 S R 6 W S 25 B T.                                                                         |
|       | Land, mountainous.                                                                                                                                               |
|       | Soil, white clay and gravelly; 3rd rate.                                                                                                                         |
|       | Timber, cedar, pinon pine, and red pine.                                                                                                                         |
|       | Good grass for grazing.                                                                                                                                          |
|       | Mountainous land; 80.00 chs.                                                                                                                                     |
| <hr/> |                                                                                                                                                                  |
|       | North, bet. secs. 25 and 30.                                                                                                                                     |
|       | Over mountainous land; through heavy timber.                                                                                                                     |
|       | Asc.,                                                                                                                                                            |
| 13.00 | Leave timber, bears N. 50° W. and S. 30° E.                                                                                                                      |
| 14.00 | Top of ridge, 250 ft. above sec. cor., bears NW and SE.                                                                                                          |
|       | Desc.                                                                                                                                                            |
| 26.00 | Bottom of hollow, 150 ft. below spur, course N. 50° W.                                                                                                           |
|       | Enter scattering timber, bears with hollow.                                                                                                                      |
|       | Asc.                                                                                                                                                             |
| 40.00 | Set a limestone, 18x11x4 ins., 12 ins. in the ground, for<br>$\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which                                |
|       | A pinon pine, 11 ins. diam., bears N. 80° E., 18<br>lks. dist., marked $\frac{1}{4}$ S 30 B T.                                                                   |
|       | A pinon pine, 5 ins. dia., bears N. 65° W., 20 lks.<br>dist., mkd. $\frac{1}{4}$ S 25 B T.                                                                       |
| 41.00 | Top of ridge, 100 ft. above hollow, bears NW and SE.                                                                                                             |
|       | Desc.                                                                                                                                                            |
| 80.00 | Set a sandstone, 24x8x5 ins., 18 ins. in the ground, for<br>cor. of secs. 19, 24, 25, and 30, mkd. with 4 notches on N. and<br>2 notches on S. edges; from which |
|       | A pinon pine, 10 ins. dia., bears N. 35° E., 35 lks.<br>dist., mkd. T 6 S R 5 W S 19 B T.                                                                        |
|       | A pinon pine, 8 ins. dia., bears S. 80° E., 30 lks.                                                                                                              |

West boundary of T. 6 S., R. 5 W.-Continued.

Chs.	<p>dist., mkd. T 6 S R 5 W S 30 B.T.  A pinon pine, 6 ins. dia., bears S. 50° W., 25 lks.  dist., mkd. T 6 S.R 6 W S 25, B.T.  A pinon pine, 5 ins. diam., bears N. 85° W., 15 lks.  dist., mkd. T 6 S R 6 W S. 24 B.T.  Land, mountainous.  Soil, gravelly and white clay; 3rd rate.  Timber, pinon pine and cedar.  Good grass for grazing.  Mountainous or heavily timbered land, 80.00 chs.</p>
------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

---

North, bet. secs. 19 and 24.

Over mountainous land; through scattering pine and cedar timber..

Desc.

3.00 Leave timber and enter dense sage brush, bears E. and W.

7.25 Bottom of canon, 150 ft. below sec.cor., course N. 45°W.  
Ascend.

17.00 Leave sage brush and enter heavy timber, bears N. 70° E.  
and S. 70° W.

39.00 Top of spur, 500 ft. above canon, bears E. and W.

Desc.

40.00 Set a sandstone, 16x12x4 ins., 11 ins. in the ground, for  
sec.cor., marked  $\frac{1}{2}$  on W. face; from which

A pinon pine, 8 ins. diam., bears N. 30° W., 20 lks.

dist., mkd.  $\frac{1}{2}$  S 24 B.T.

A red pine, 7 ins. dia., bears S. 45° E., 18 lks.

dist., mkd.  $\frac{1}{2}$  S 19 B.T.

46.00 Bottom of hollow, 200 ft. below ridge, course N. 30° W.

Asc.

60.00 Top of ridge, 300 ft. above hollow, bears N. 35° W. and S. 35°

West boundary of T. 6 S., R. 5 W.-Continued.

Chs.	E.
	Descend along side of ridge.
75.00	Top of spur, 250 ft. below ridge, bears N. 25° E. and S. 25° W.
	Descend. Leave timber, bears N. 25° E. and S. 25° W.
80.00	Foot of descent, 300 ft. below spur, bears N. 40° E. and S. 40° W.
	Enter bottom of Sower's Canon.
	Set a sandstone, 20x12x7 ins., 15 ins. in the ground, for cor. of secs. 13, 18, 19, and 24, marked with 3 notches on N. and 3 notches on S. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar, pinon pine, and red pine.
	Undergrowth, sagebrush.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.
	October 19, 1903: At the noon hour the sky is overcast and solar observations are impossible.
<hr/>	
	North, bet. secs. 13 and 18.
	Over level canon bottom; through dense undergrowth.
16.50	Leave sage brush and enter dense willows, bears E. and W.
22.50	Creek, 3 lks. wide, 2 ins. deep, course NE.
	Ascend gradually.
23.25	Leave willows, and enter sage brush, bears NE and SW.
27.50	Old road, bears NE and SW.
38.50	Leave bottom of Sower's Canon, bears N. 40° E. and S. 20° W.
	Ascend.
40.00	Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
	A pinon pine, 6 ins. dia., bears N. 80° W., 120 lks. dist., marked $\frac{1}{4}$ S 13 B T.

## West boundary of T.6 S., R.5 W.-Continued.

Chs.	No other tree within limits; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Descend.
41.50	Bottom of hollow, course E. Ascend.
56.00	Foot of ledge, 50 ft. high, bears E. and W. Ascend abruptly through heavy timber.
62.50	Top of ridge, 800 ft. above hollow, bears N. $60^{\circ}$ W. and S. $60^{\circ}$ E. Descend.
72.00	Bottom of hollow, 100 ft. below ridge, course E. Asc.
76.00	Leave heavy and enter scattering timber, bears E. and W.
78.50	Top of ridge, 200 ft. above hollow, bears E. and W. Desc.
80.00	Point 20 ft. below ridge. Set a sandstone, 20x8x5 ins., 15 ins. in the ground, for cor. of secs. 7, 12, 13, and 18, mkd. with 2 notches on N. and 4 notches on S. edges; dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar, and pinon pine.
	Undergrowth, sage brush and willows.
	Good grass for grazing.
	Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
	North, bet. secs. 7 and 12.
	Over mountainous land; through dense undergrowth and dead timber.
	Desc.
16.50	Bottom of canon, 700 ft. below sec. cor., course S. $80^{\circ}$ E.

## West boundary of T. 6 S., R. 5 W.-Continued.

Chs.	There is a creek 2 lks. wide, 1 in. deep., in bottom of canon; it rises 3.00 chs. west of line and sinks 3.00 chs. east of line.  There is a corral in this hollow about 20.00 chs. westerly; not seen from line  Asc.
22.00	Enter heavy timber, bears E. and W. and leave dead timber.
32.00	Top of ridge, 600 ft. above canon, bears NW and SE.  Desc.
40.00	Set a sandstone, 22x12x4. ins., 16 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which  A pinon pine, 16 ins. diam., bears N. 73° E., 32 lks. dist., mkd. $\frac{1}{4}$ S 7 B T.  A pinon pine, 16 ins. dia., bears N. 68° W., 20 lks. dist., mkd. $\frac{1}{4}$ S 12 B T.
51.00	Bottom of hollow, 150 ft. below ridge, course SE.  Asc.
68.00	Top of steep ascent, bears E. and W.
75.00	Leave timber and enter dense undergrowth, bears E. and W.
76.00	Top of ridge, 400 ft. above hollow, bears E. and W.  Desc.
80.00	Set a sandstone, 20x8x5 ins., 15 ins. in the ground, for cor. of secs. 1, 5, 7, and 12, mkd. with 1 notch on N. and 5 notches on S. edges; dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.  Land, mountainous.  Soil, gravelly; 3rd rate.  Timber, cedar and pinon pine.  Undergrowth, sage brush.  Good grass for grazing.  Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

## West boundary of T. 6 S., R. 5 W. -Continued.

Chas.	
	North, bet. secs. 1 and 6. Cuttings; soil sandy loam.
	Over mountainous land; through dense undergrowth.
	Desc. 100 ft. above sec. cor., course N. 70° E.
6.00	Begin rapid descent, bears N. 80° E. and S. 80° W.
17.00	Bottom of canon, 350 ft. below sec. cor., course N. 70° E.
	Asc.
17.25	Enter heavy timber, bears N. 70° E. and S. 70° W.
33.00	Top of steep ascent, bears E. and W.
	Leave timber and enter dense undergrowth, bears E. and W.
40.00	Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for sec. cor., mkd. $\frac{1}{2}$ on W. face; dig pits, 18x18x12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth; $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
50.00	Top of ridge, 600 ft. above canon, bears N. 70° E. and S. 70° W.
	Enter scattering timber, bears with ridge.
	Desc.
65.00	Bottom of hollow, 150 ft. below ridge, course N. 60° E.
	Asc.
80.00	Set a sandstone, 24x18x5 ins., 18 ins. in the ground, for cor. of Tps. 5 and 6 S., Rs. 5 and 6 W., marked 5 S on NE, 5 W on SE, 6 S on SW, and 6 W on NW faces; with 6 notches on each edge; from which
	A cedar, 6 ins. dia., bears N. 87° E., 93 lks. dist., mkd. T 5 S R 5 W S 31 B T.
	An cedar, 4 ins. dia., bears S. 35° E., 105 lks. dist., mkd. T 6 S R 5 W S 6 B T.
	A pinon pine, 8 ins. dia., bears S. 4° 30' W., 425 lks. dist. mkd. T 6 S R 6 W S 1 B T.
	A cedar, 8 ins. dia., bears N. 13° W., 215 lks. dist., mkd. T 5 S R 6 W S 36 B T.
	Land, mountainous.
	Soil, sandy loam; 2nd rate.
	Timber, cedar and pinon pine.

## West boundary of T.6 S., R.5 W.-Concluded.

Chs.	<p>Undergrowth, sage brush.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.</p>
------	----------------------------------------------------------------------------------------------------------------------------------------------------------------

October 19, 1903.

---

## North boundary of T.6 S., R.5 W.

✓ October 20, 1903: At 7 h 34 m a.m., l.m.t., I set off  $40^{\circ}00'N.$  on the lat.arc;  $0^{\circ}58' S$ , on the decl.arc; and determine a mer. with the solar, at the cor. of Tps. 5 and 6 S., Rs. 4 and 5 W., heretofore described.

Thence I run

West, on a random line along north bdy. of Tp., setting temp.  $\pm$  sec.cor. and sec.cors. at intervals of 40.00 chs., and at 478.00 chs. intersect W.bdy. of Tp., 28 lks.S. of the cor. of Tps. 5 and 6 S., Rs. 5 and 6 W.; the falling answers to a correction of 2' or 5 lks.S. per mile counting from the cor. of Tps. 5 and 6 S., Rs. 5 and 6 W.

✓ October 20, 1903: At this cor. I set off  $10^{\circ}00'S$ , on the decl.arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer., the resulting lat. is  $40^{\circ}00'N.$ , which is the proper lat. nearly.

---

Thence I run

$S.89^{\circ}58'E.$ , on a true line bet. secs 6, and 31.

## North boundary of T. 6 S., R. 5 W.-Continued.

Chs.	Over mountainous land; through heavy timber.
	Desc.: Enter heavy timber, through which pass a few small openings.
20.00	Bottom of hollow, 400 ft. below Tp. cor., course NE.
	Asc.: Leave heavy and enter scattering timber; bears N. and S.
38.00	Set a sandstone, 16x12x8 ins., 11 ins. in the ground, for sec. cor., marked $\frac{1}{4}$ on N. face; from which
	A cedar, 6 ins. diam., bears N., 25 lks. dist., mkd. $\frac{1}{4}$ S. 31 B. T.
	No other trees within limits; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.;
51.00	Top of ridge, 200 ft. above hollow, bears NE and SW., Desc.:
52.00	Enter heavy timber, bears NE and SW.
76.00	Bottom of hollow, 400 ft. below ridge, course SE.
	Ascend:
78.00	Point 25 ft. above hollow. Set a sandstone, 16x8x4 ins., 11 ins. in the ground, for cor. of secs. 5, 6, 31, and 32, marked with 5 notches on E. and 1 notch on W. edges; from which
	A pinon pine, 5 ins. dia., bears N. 25° E., 52 lks. dist., mkd. T 6 S R 5 W S 32 B T.
	A pinon pine, 8 ins. diam., bears S. 78° E., 158 lks. dist., mkd. T 6 S R 5 W S 5 B T.
	A pinon pine, 12 ins. dia., bears S. 69° W., 76 lks. dist., mkd. T 6 S R 5 W S 6 B T.
	A pinon pine, 4 ins. dia., bears N. 32° W., 60 lks. dist., mkd. T 6 S R 5 W S 31 B T.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 78.00 chs.

North boundary of T. 6 S., R. 5 W.-Continued.

Chs.	S.89° 58'E., on a true line bet.secs.5 and 32. Over mountainous land; through heavy timber. Asc.
34.00	Top of ridge, 600 ft. above cor., bears NW and SE. Desc.
39.00	Head of hollow, 40 ft. below ridge, course N.00° E. Asc.
40.00	Set a sandstone, 14x10x5 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec.cor., mkd. $\overline{x}$ on N.face; from which A pinon pine, 3 ins. dia., bears N.45° E., 12 lks. dist. mkd. $\overline{x}$ S 32 B T. A pinon pine, 6 ins. dia., bears S.27 lks. dist., mkd. $\overline{x}$ S 5 B T.
46.00	Top of ridge, 50 ft. above hollow, bears E. and S.80° W. Desc. gradually along top of ridge.
80.00	Set a sandstone, 18x9x7 ins., 12 ins. in the ground, for cor. of secs. 4, 5, 32, and 33, marked with 4 notches on E., and 2 notches on W.edges; from which A red pine, 18 ins. dia., bears N.75° E., 73 lks. dist., mkd. T 5 S R 5 W S 33 B T. A pinon pine, 8 ins. dia., bears S.03° E., 70 lks. dist., mkd. T 6 S R 5 W S 4 B T. A red pine, 24 ins. dia., bears S.76° W., 49 lks. dist., mkd. T 6 S R 5 W S 5 B T. A pinon pine, 10 ins. dia., bears N.79° W., 43 lks. dist., mkd. T 5 S R 5 W S 32 B T. Land, mountainous. Soil, gravelly loam; 2nd rate. Timber, cedar, pinon pine, and red pine. Good grass for grazing. Mountainous or heavily timbered land, 80.00 chs.

S.89° 58'E., on a true line bet.secs.4 and 33.

## North boundary of T. 6 S., R. 5 W.-Continued.

Chs.	Over mountainous land; through heavy timber. Desc. along ridge .
21.50	Leave timber, bears N. and S.
25.50	Foot of descent, 800 ft. below sec. cor., bears NE and SW. Enter bottom of Sower's Canon .
	Enter dense sage brush, bears NE and SW.
30.00	Old road, bears NE and SW.
39.10	Wash, 15 lks. wide, 3 ft. deep, course NE .
40.00	Set a sandstone, 16x12x4 ins., 11 ins. in the ground, for $\frac{1}{2}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
43.00	Leave canon bottom, bears NE and SW. Leave undergrowth and enter heavy timber, bears NE and SW. Asc.
59.50	Top of ridge, 500 ft. above canon, bears N. and S. Desc.
64.00	Bottom of hollow, 250 ft. below ridge, course N. Asc.
80.00	Point 300 ft. above hollow. Set a sandstone 22x12x5 ins., 16 ins. in the ground, for cor. of secs. 3, 4, 33, and 34; mkd. with 3 notches on E., and W. edges; from which  A pinon pine, 6 ins. diam., bears N. 32° E., 29 lks. dist. mkd. T 5 S R 5 W S 34 B T.  A pinon pine, 5 ins. dia., bears S. 65° E., 56 lks. dist., mkd. T 6 S R 5 W S 3 B T.  , A pinon pine, 12 ins. dia., bears S. 14° W., 27 lks. dist., mkd. T 6 S R 5 W S 4 B T.  A pinon pine, 12 ins. dia., bears N. 75° W., 68 lks. dist., mkd. T 5 S R 5 W S 33 B T.  Land mountainous and level canon bottom. Soil, gravelly 3rd rate. Timber, cedar, pinon pine, and red pine. Undergrowth, sage brush.

## North boundary of T.6 S., R.5 W.-Continued.

Chs.

Good grass for grazing.

Mountainous or heavily timbered land or land covered with dense undergrowth, 80.00 chs.

October 20, 1903.

October 21, 1903: At 7 h 30 m a.m., l.m.t., I set off 40° 00' N., on the lat.arc; 10° 20' S, on the decl.arc; and determine a mer. with the solar, at the cor. of secs. 3, 4, 33, and 34.

Thence I run

S. 89° 58' E., on a true line bet. secs. 3 and 34.

Over mountainous land; through heavy timber.

Asc.

9.00 Top of ridge, 300 ft. above sec.cor., bears N. and S.

Desc. Leave heavy and enter scattering timber.

40.00 Set a sandstone, 20x11x6 ins., 15 ins. in the ground, for  $\frac{1}{4}$  sec.cor., mkd.  $\frac{1}{2}$  on N. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

43.00 Bottom of canon, 600 ft. below ridge, course N. 20° W.

Asc.

76.50 Top of ridge, 800 ft. above canon, bears N. and S.

Enter heavy timber, bears N. and S.

Desc.

80.00 Set a sandstone, 20x10x5 ins., 15 ins. in the ground, for cor. of secs. 2, 3, 34, and 35, mkd. with 2 notches on E. and 4 notches on W. edges; from which

A pinon pine, 6 ins. dia., bears N. 29° E., 36 lks.

dist., mkd. T 5 S R 5 W S 35 B T.

A pinon pine, 8 ins. dia., bears S. 50° E., 55 lks.

dist., mkd. T 6 S R 5 W S 2 B T.

A pinon pine, 6 ins. dia., bears S. 5° 30' W., 37

lks. dist., mkd. T 6 S R 5 W S 3 B T.

North boundary of T 6 S R 5 W -Continued

Chs.	A pinon pine, 5 ins. dia., bears N. 70° W., 30 lks. dist., mkd. T 5 S R 5 W S 34 B T.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.
	 <hr/>
	S. 89° 58' E., on a true line bet. secs. 2 and 35.
	Over mountainous land; through heavy timber.
	Desc.
3.00	Bottom of hollow, 100 ft. below sec. cor., course NE.
	Asc.
13.00	Top of ridge, 300 ft. above hollow, bears NE. and SW.
	Desc.
34.00	Bottom of hollow, 200 ft. below ridge, course NE.
	Asc.
40.00	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which A cedar, 8 ins. diam., bears N. 1° 30' W., 28 lks. dist. mkd. $\frac{1}{4}$ S 35 B T. A cedar, 14 ins. dia., bears S. 16° 30' E., 22 lks. dist., mkd. $\frac{1}{4}$ S 2 B T.
70.00	Top of ridge, 250 ft. above hollow, bears NE and SW.
	Desc.
80.00	Set a sandstone, 20x12x4 ins., 15 ins. in the ground, for cor. of secs. 1, 2, 35, and 36, mkd. with 1 notch on E. and 5 notches on W. edges; from which A pinon pine, 12 ins. dia., bears N. 9° E., 60 lks. dist., mkd. T 5 S R 5 W S 36 B T. A pinon pine, 12 ins. dia., bears S. 55° E., 37 lks. dist., mkd. T 6 S R 5 W S 1 B T.

North boundary of L.L. Land - 6000 ft.

Chs. A pinon pine, 6 ins. dia., bears N.30° E., 30 lbs.  
dist., mzd. 7.0 E. S. 5.0 S. 2.0 T.  
A cedar, 6 ins. dia., bears N.50° E., 27 lbs.  
dist., mzd. 7.5 E. S. 5.0 S. 3.5 B. T.  
Land, mountainous.  
Soil, gravelly; 3rd rate.  
Timber, cedar and pinon pine.  
Good grass for grazing.  
Mountainous or heavily timbered land, 80.00 chs.

5.8E-58'E. on a true line bet. secs. 1 and 36.

Over mountainous land; through heavy timber.

Desc.

24.00 Bottom of hollow, 250 ft. below sec. cor., course NE.  
Asc.  
40.00 Set a sandstone, 16x8x5 inns., 11 ins. in the ground for  
2 sec. cor., mzd.  $\frac{1}{2}$  on N. face; from which  
A pinon pine, 8 ins. dia., bears N.20° E., 30 lbs.  
dist., mzd. 7.3 S. 36 B. T.  
A cedar, 4 ins. dia., bears N.25° E., 13 lbs.  
dist., mzd. 7.3 1 B. T.  
74.00 Top of ridge, 450 ft. above hollow, bears NE and SW.  
Desc.  
80.00 The cor. of Tp., S. and C. S., N. 4 and S. E.  
Land, mountainous.  
Soil, gravelly; 3rd rate.  
Timber, cedar and pinon pine.  
A very little grass.  
Mountainous or heavily timbered land, 80.00 chs.  
October 21, 1903: At this cor. I set off 10° by S. on the  
decl. arc; and at 6 h. 2 m. p.m., l.m.t., I observe the sun  
at the mer., the resulting int. is 40.00° N., which is the  
proper int. nearly.

28  
Boundaries of T. 6 S., R. 5 W.-Concluded.

October 21, 1903.

## Boundaries of T. 6 S., R. 5 W.

Latitude, departures, and closing errors.

Line	designated	True bearing	Dist- ance Chs.	Latitudes N. Chs.	S. Chs.	Departures E. Chs.	W. Chs.
S.bdy.T.6 S.,R.5 W.		West,	478.79				478.79
W.bdy.T.6 S.,R.5 W.		North	480.00	480.00			
N.bdy.T.6 S.,R.5 W.		S.89° 58' E.	478.00		.28	478.00	
E.bdy.T.6 S.,R.5 W.		South	480.00		480.00		
Convergency						.61	
Totals				480.00	480.28478.61	478.79	478.61
Error in lat.					.28		
Error in dep.						.18	

## General Description.

This township is all mountainous. Well timbered and fairly well watered for grazing purposes. It should be subdivided.

John P. Stewart,  
U.S. Deputy Surveyor.

October 21, 1903.

**BLANK**

**PAGE**

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by .....  
....., United States Deputy Surveyor, to assist in running, measuring, and  
marking the lines and corners described in the foregoing field notes of the survey of .....  
.....  
showing the respective capacities in which they acted:

....., *Chairman*.

For final affidavits see book "J" T. 5 S. R. 5 W. ...., *Chairman*.

....., *Moundman*.

....., *Moundman*.

....., *Axman*.

....., *Axman*.

....., *Flagman*.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....  
....., United States Deputy Surveyor, in surveying all  
those parts or portions of the .....

..... of the .....

..... meridian, ..... of ..... which are represented  
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey  
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the  
corner monuments established, according to the instructions furnished by the United States Surveyor  
General for .....

....., *Chairman*.

For final affidavits see book "J" T. 5 S. R. 5 W. ...., *Chairman*.

....., *Moundman*.

....., *Moundman*.

....., *Axman*.

....., *Axman*.

....., *Flagman*.

Subscribed and sworn to before me this .....  
day of ..... , 190 }  
{



## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, \_\_\_\_\_, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from \_\_\_\_\_, United States Surveyor General for \_\_\_\_\_, bearing date of the day of \_\_\_\_\_, 190\_\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for \_\_\_\_\_, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_.

For final affidavits see book "J" T. 5 S., R. 5 W.

of the \_\_\_\_\_ meridian, in the \_\_\_\_\_ of \_\_\_\_\_, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 190 }



## APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 18, 1904.

The foregoing field notes of the survey of South West and North Boundaries of T. C. S., Township No. 6 South, Range No. 5 West, of the Uintah Special Base and Meridian, Utah.

executed by John R. Stewart and Andy J. Stewart, their under his contract No. 271, dated July 22, 1903, 190\_\_\_\_\_, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys \_\_\_\_\_ describe, are hereby approved.

United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

**BLANK**

**PAGE**

**BLANK**

**PAGE**

BOOK A-308

FILED

AUG 29 1904

K.F.B  
only

I.

## FIELD NOTES

O.W.G.

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 6 South, Range No. 5 West.

Of the UNTAH SPECIAL BASE AND Meridian,

STATE OF UTAH.

AS SURVEYED BY

John R. Stewart and Andy J. Stewart, United States Deputy Surveyors  
Under their Contract No. 271, dated July 22, 1903;

Survey commenced October 21, 1903

Survey completed November 3, 1903

Aug 59 76-46

NAMES AND DUTIES OF ASSISTANTS.

Alma Peterson,.....Chainman.

Angus M. Woodbury,.....Chainman.

Omero Meriotti,.....Moundman.

Gilbert Maesar,.....Moundman.

John E. Clark.....Axman.

Sorn F. Peterson,.....Axman.

Jesse R. Peterson,.....Flagman.

For preliminary oaths see book "D", T.5 S., R.4 W.

G-151

Volume

#

R0308

BOOK A-308

INDEX DIAGRAM.

*Township* \_\_\_\_\_, *Range* \_\_\_\_\_

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

*Meanders Page* \_\_\_\_\_

## PRELIMINARY OATHS OF ASSISTANTS.

WE, ..... and ..... do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



WE, ..... and ..... do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



WE, ..... and ..... do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



I, ..... do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



Subdivision of T. 6 S., R. 5. W.

Survey commenced October 21, 1903, and executed with a Yound and Sons light mountain transit No. 7382, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct and was approved by the surveyor general for Utah, on August 21, 1903.

I examine the adjustments of the instrument and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours with a meridian established by Polaris observation, I proceed as follows:

At the cor. of secs. 1, 2, 35, and 36, on S. bdy. of Tp., latitude  $39^{\circ} 55' 01''$  N., longitude  $110^{\circ} 27' 07''$  W., I set off  $39^{\circ} 55' N.$ , on the lat. arc;  $10^{\circ} 30' S.$  on the decl. arc; and at 4 h 3 m p.m., l.m.t., I determine a meridian with the solar, and mark a point thereof on a stone, firmly set in the ground 5.00 chs. N. of the cor.

At 5 h 3 m p.m. l.m.t., I obs. Polaris at eastern elong. in accordance with the Manual, and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs. N. of the cor.

October 21, 1903.

October 22, 1903: At 6 h 2 m a.m., l.m.t., I lay off the azimuth of Pol.  $1^{\circ} 34.8'$  to the west, and mark a point in the mer. thus determined by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.36 ins. east of the mark determined with solar. At 7 h 30 m a.m., l.m.t., I set off  $39^{\circ} 55' N.$ , on the lat.

## Subdivision of T.6 S. R.5 W.-Continued.

Chs. arc;  $10^{\circ}44'$  S., on the decl. arc; and mark the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.30 ins. east of the mer. determined by Pol. obs.

The solar apparatus by p.m. and a.m. observations, defines positions for meridians, respectively about  $0'19''$  west and  $0'16''$  east of the mer. established by Pol. obsn.; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the mer. at 7 h 45 m a.m. is N. $16^{\circ}33'W.$ , the angle thus determined, gives the mag. decl. $16^{\circ}33'E.$

From the cor. of secs. 1, 2, 35, and 36, on S. bdy. of Tp., heretofore described.

I run

N. $0^{\circ}1'W.$ , bet. secs. 35 and 36.

Over mountainous land; through scattering undergrowth.

Asc.

4.00 Top of ridge, 25 ft. above sec. cor., bears N. $60^{\circ}E.$  and S.  $60^{\circ}W.$ .

Desc.

35.00 Enter heavy timber, bears N. $85^{\circ}W.$  and S. $85^{\circ}E.$

40.00 Set a sandstone,  $18 \times 10 \times 6$  ins., 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which

A balsam, 6 ins. dia., bears S. $75^{\circ}E.$ , 38 lks.

dist., mkd.  $\frac{1}{4}$  S 36 B T.

A balsam, 5 ins. dia., bears S. $80^{\circ}W.$ , 43 lks.

dist., mkd.  $\frac{1}{4}$  S 35 B T.

54.00 Bottom of canon, 800 ft. below ridge, course N. $30^{\circ}E.$   
Asc.

72.00 Top of ridge, 600 ft. above canon bears N. $85^{\circ}E.$  and S. $85^{\circ}W.$

Subdivision of T 6 S R 5 W -Continued

Chs.	Leave timber, bears with ridge.
	Desc.
77.00	Enter heavy timber, bears E. and W.
80.00	Set a sandstone, 22x12x4 ins., 16 ins. in the ground, for cor. or secs 25, 26, 35, and 36, mkd. with l notch on S., and E. edges; from which
	An aspen, 6 ins. dia., bears N. 85° E., 40 lks. dist.. mkd. T 6 S R 5 W S 25 B T.
	An aspen, 9 ins. dia., bears S. 46° E., 36 lks. dist.. mkd. T 6 S R 5 W S 36 B T.
	An aspen, 9 ins. dia., bears S. 76° W., 33 lks. dist.. mkd. T 6 S R 5 W S 35 B T.
	An aspen, 8 ins. dia., bears N. 77° W., 96 lks. dist.. mkd. T 6 S R 5 W S 26 B T.
	Land, mountainous.
	Soil, gravelly loam; 2nd rate.
	Timber, aspen and pine and balsam.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.
	East, on a random line bet. secs. 25 and 36.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.16	Intersect E. bdy. of Tp., 7 lks. S. of the cor. or secs. 25, 30, 31, and 36. heretofore described.
	Thence I run
	S. 89° 57' W., on a true line bet. secs. 25 and 36.
	Over mountainous land; through scattering undergrowth.
	Asc. gradually.
10.00	Top of ridge, 10 ft. above sec. cor., bears N. 60° E. and S. 60° W.
	Desc.
40.08	Set a sandstone, 15x15x4 ins., 10 ins. in the ground, for

Geological Survey of Colorado - Continued.

- 28.00 At sec.cor., mid. on N. face; and raise a mound of stones,  
8 ft. base, 18 ft. high, N. of cor.
- 34.00 Bottom of hollow, 300 ft. below ridge, course N.  
Asc.
- 48.00 Top of spur, 180 ft. above hollow, bears N. 5° E. and S. 5° E.  
Desc.
- 60.50 Bottom of canon, 400 ft. below ridge, course N. 15° E.  
Asc.
- 65.00 Enter scattering timber, bears N. and S.
- 73.00 Top of abrupt descent, 400 ft. above canon, bears N. 10° E. and  
S. 10° W. Thence ascend more gradually.
- 80.10 The cor. of secs. 25, 26, 35, and 36. . . . .  
land, mountainous. 48, 1000 ft. above ground level.  
Soil, gravelly loam; 2nd rate.
- Timber, cedar and pinon pine, and aspen.
- Undergrowth, sage brush.
- Good grass for grazing.
- Mountainous land, 80.10 chm. . . . .
- 85.00 Top of ridge, 400 ft. above hollow, bears N. 10° E. and S. 10° W.  
N. of 1° W., bet. secs. 25 and 26.
- Over mountainous land; through heavy timber.
- Desc.
- 8.50 Bottom of hollow, 250 ft. below sec.cor., course N. 85° E.
- Asc.
- 18.50 Leave timber, and enter scattering sage brush, bears N. 85° E. and S. 85° W.
- 20.50 Top of ridge, 400 ft. above hollow, bears N. 80° E. and S. 80° W.
- Desc.
- 28.00 Begin more abrupt descent, bears N. 80° E. and S. 80° W.
- 40.00 Set a sandstone, 50x10x6 ins., 16 ins. in the ground, for  
a sec.cor., mid. of on N. face; and raise a mound of stones,  
8 ft. base, 18 ft. high, N. of cor.

## Subdivision of T. 6-S . R. 5.W -Continued

Chs.	
47.00	Bottom of hollow, 500 ft. below ridge, course N.30° E. Asc.
58.00	Top of ridge, 150 ft. above hollow, bears N.40° E. and S.40° W. Desc.
62.00	Bottom of hollow, 200 ft. below ridge, course N.35° E. Asc.
63.00	Enter heavy timber, bears E. and W.
70.00	Leave timber and enter dense undergrowth, bears E. and W.
77.00	Top of ridge, 450 ft. above hollow, bears N.75° E. and S.75° W. Desc.
80.00	Set a sandstone, 16x8x8 ins., 11 ins. in the ground, for cor. of secs. 23, 24, 25, and 26, mkd. with 2 notches on S. and 1 notch on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft high, W. of cor. Land, mountainous. Soil, gravelly loam; 2nd rate. Timber, cedar, pinon pine, and aspen. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, 80.00 chs. October 22, 1903: At the noon hour the sky is overcast and solar observations are impossible.
40.00	N.89° 57'E., on a random line bet. secs. 24 and 25. Set temp $\frac{1}{2}$ sec. cor.
80.34	Intersect E. bdy. of Tp.; 12 lks. S. of the cor. of secs. 19, 24, 25, and 30, heretofore described. Thence I run S.89° 52'W. on a true line bet. secs. 24 and 25.. Over mountainous land; through heavy timber.

## Subdivision of T. 6 S., R. 5 W.-Continued.

Chs.	Desc.
18.00	Leave timber, bears N. 50° E. and S. 50° W.
12.00	Bottom of canon, 600 ft. below sec. cor., course N. 30° E. Asc.
23.00	Enter heavy timber, bears N. 80° E and S. 80° W.
30.00	Top of sandstone ledge, 15 ft. high, bears N. 75° E. and S. 75° W.
33.00	Top of ridge, 500 ft. above hollow, bears N. 10° E. and S. 10° W. Desc.
36.00	Bottom of hollow, 100 ft. below ridge, course N. 20° E. Asc.
40.17	Set a sandstone, 16x14x6 ins., 11 ins. in the ground, for sec. cor. , mkd. $\frac{1}{4}$ on N. face; from which A cedar, 4 ins. dia., bears N. 75° W., 60 lks. dist.. mkd. $\frac{1}{4}$ S 24 B T. A pinon pine, 4 ins. dia., bears S. 20° W., 70 lks. dist.. mkd. $\frac{1}{4}$ S 25 B T.
41.50	Top of spur, 50 ft. above hollow, bears N. 20° E. and S. 20° W. Desc.
45.00	Bottom of hollow, 100 ft. below ridge, course N. 20° E. Asc.
54.00	Leave timber, bears N. 10° E. and S. 10 °W.
71.00	Top of ridge, 250 ft. above hollow, bears N. 70° E. and S. 70° W. Desc.
80.34	The cor. of secs. 23, 24, 25, and 26. Land, mountainous. Soil, gravelly loam; 2nd rate Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.34 chs. N. 0° 1' W., bet. secs. 23 and 24. Over mountainous land; through dense sage brush.

## Subdivision of T 6 S - R 5 W -Continued

Chs.	Desc.
20.00	Enter heavy timber, bears N.80° E. and S.80° W.
22.00	Bottom of canon, 300 ft. below sec.cor., course N.70° E.
	Asc
35.00	Top of ridge, 150 ft. above canon, bears N.70° E. and S.70° W.
	Desc.
39.00	Bottom of hollow, 200 ft. below ridge, course N.80° E.
	Asc.
40.00	Set a sandstone, 20x12x4 ins., 15 ins. in the ground, for sec.cor.. mkd. $\frac{1}{4}$ on W. face; from which
	A red pine, 3 ins. dia., bears S.55° E., 25 lks. dist.. mkd. $\frac{1}{4}$ S 24 B T.
	An aspen, 5 ins. dia., bears S.20° W., 125 lks. dist.. mkd. $\frac{1}{4}$ S 23 B T.
52.00	Top of ridge, 300 ft. above hollow, bears N.75° E. and S.75° W.
	Desc.
80.00	Set a sandstone, 22x12x5 ins., 16 ins. in the ground, for cor. of secs. 13, 14, 23, and 24, mkd. with 3 notches on S. and 1 notch on E. edges; from which
	A pinon pine, 6 ins. dia. bears N.75° E., 50 lks. dist.. mkd. T 6 S R 5 W S 13 B T.
	A pinon pine, 4 ins. dia., bears S.20° E., 15 lks. dist.. mkd. T 6 S R 5 W S 24 B T.
	A balsam, 4 ins. dia., bears S.10° W., 60 lks. dist.. mkd. T 6 S R 5 W S 23 B T.
	A balsam, 4 ins. dia., bears N.10° W., 12 lks. dist.. mkd. T 6 S R 5 W S 14 B T.
	Land, mountainous.
	Soil, gravelly loam; 2nd rate.
	Timber, cedar, pinon pine, red pine, aspen, and balsam.
	Undergrowth, sage brush.
	Good grass for grazing.

## Subdivision of T. 6 S R 5 W -Continued

- Chs. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
- 
- N. 89° 52' E., on a random line bet. secs. 13 and 24.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.10 Intersect E. bdy. of Tp., 23 lks. N. of the cor. of secs. 13, 18, 19, and 24, heretofore described.  
Thence I run  
N. 89° 58' W., on a true line bet. secs. 13 and 24.  
Over mountainous land; through heavy timber.
- Asc.
- 9.00 Top of ridge, 200 ft. above sec. cor., bears N. and S.  
Desc.
- 19.00 Bottom of hollow, 300 ft. below ridge, course N. 30° W.  
Asc.
- 27.00 Top of ridge, 100 ft. above hollow, bears N. 10° W. and S. 10° E.  
Desc.
- 39.00 Bottom of hollow, 200 ft. below ridge, course N.  
Asc.
- 40.05 Set a sandstone, 18x16x4 ins., 12. ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face; from which  
A pinon pine, 10 ins. dia., bears N. 35° W., 150 lks.  
dist. mkd.  $\frac{1}{4}$  S 13 B.T.  
A pinon pine, 10 ins. dia., bears S. 28° W., 20 lks.  
dist. mkd.  $\frac{1}{4}$  S 24 B.T.
- 42.00 Top of ridge, 100 ft. above hollow, bears N. 10° E. and S. 10° W.  
Desc.
- 47.00 Bottom of hollow, 100 ft. below ridge, course N. 10° E.  
Asc.
- 72.50 Top of ridge, 400 ft. above hollow, bears N. 20° E. and S. 15° W.

## Subdivision of T. 6 S. R. 5 W. -Continued.

Chs.	Desc.
80.10	The cor. or secs. 15, 14, 23, and 24. Land, mountainous. Soil, gravelly loam; 2nd rate. Timber, pinon pine and cedar. Good grass for grazing. Mountainous or heavily timbered land, 80.10 chs.
	October 22, 1903.
	October 23, 1903: At 7 h 58'm a.m., l.m.t., I set off 39° 58' N., on the lat. arc; 11° 06' S., on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 13, 14, 23, and 24..
	Thence I run N. 0° 1' W., bet. secs. 13 and 14. Over mountainous land; through heavy timber.
	Desc.
12.00	Bottom of canon, 600 ft. below sec. cor., course N. 60° E.
	Asc.
25.25	Top of ridge, 600 ft. above canon, bears N. 70° E. and S. 70° W.
	Desc.
33.00	Bottom of hollow, 200 ft. below ridge, course E.
	Asc.
40.00	Set a sandstone, 15x12x4 ins., 10. ins. in the ground, for $\frac{1}{2}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; from which A pinon pine, 15 ins. dia., bears N. 40° E., 125 lks. dist. mkd. $\frac{1}{4}$ S 13 B T.
	A pinon pine, 5 ins. dia., bears N. 70° W., 40 lks. dist. mkd. $\frac{1}{4}$ S 14 B T.
41.50	Top of ridge, 200 ft. above hollow, bears N. 80° E. and S. 80°

## Subdivision of T. 6 S., R. 5 W.-Continued.

Chs.	W.
	Desc.
59.00	Bottom of hollow, 150 ft. below ridge, course NE. Asc.
64.00	Top of ridge, 100 ft. above hollow, bears NE and SW. Desc.
80.00	Set a sandstone, 18x14x4 ins., 1z ins. in the ground, for cor. of secs. 11, 12, 13, and 14, mkd. with 4 notches on S. and 1 notch on E. edges; from which  A pinon pine, 1z ins. dia., bears N. 30° E., 125 lks. dist.. mkd. T 6 S R 5 W S 12 B T.  A pinon pine, 10 ins. dia., bears S. 10° E., 40 lks. dist.. mkd. T 6 S R 5 W S 13 B T.  A pinon pine, 1z ins. dia., bears S. 30° W., 45 lks. dist.. mkd. T 6 S R 5 W S 14 B T.  A pinon pine, 12ins. dia., bears N. 35° W., 120 lks. dist.. mkd. T 6 S R 5 W S 11 B T.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.
40.00	S. 89° 58' E., on a random line bet. secs. 12 and 13. Set temp. & sec. cor.
80.18	Intersect E. bdy. of Tp., 7 lks. N. of the cor. of secs. 7, 12, 13, and 14, heretofore described. hence I run N. 89° 55' W., on a true line bet. secs. 12 and 13. Over mountainous land; through heavy timber. .sc.
11.00	Top of ridge, 200 ft. above sec. cor., bears NE and SW. Desc.

## Subdivision of T. 6 C. R. 5 W. -Continued.

Chs.	
40.09	<p>Set a sandstone, 14x14x6 ins., 9 ins. in the ground, for  <math>\frac{1}{2}</math> sec. cor.. mkd. <math>\frac{1}{4}</math> on N. face; from which</p> <p>A pinon pine, 10 ins. diam., bears N. 40° lks. dist.      mkd. <math>\frac{1}{4}</math> S 12 B T.</p> <p>A pinon pine, 10 ins. diam., bears S. 45° W., 30 lks.      dist.: mkd. <math>\frac{1}{4}</math> S 13 B T.</p>
53.25	<p>Bottom of canon, 500 ft. below ridge; course N. 40° E.</p>
	<p>Asc.</p>
70.00	<p>Top of ridge, 400 ft. above canon, bears N. 40° E. and S. 40° W. Enter scattering sage brush.</p>
	<p>Desc.</p>
80.18	<p>The cor. or secs. 11, 12, 13, and 14.</p> <p>Land, mountainous.</p> <p>Soil, gravelly; 3rd rate.</p> <p>Timber, cedar and pinon pine.</p> <p>Undergrowth, sage brush.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, 80.18 chs.</p> <hr/>
	<p>N. 0° 1' W., bet. secs. 11 and 12.</p>
	<p>Over mountainous land; through scattering timber.</p>
	<p>Desc. along side of hollow.</p>
7.00	<p>Enter heavy timber, bears E. and W.</p>
40.00	<p>Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for  <math>\frac{1}{2}</math> sec. cor.. mkd. <math>\frac{1}{4}</math> on W. face; from which</p> <p>A cedar, 7 ins. diam., bears S. 85° E., 35 lks.      dist.: mkd. <math>\frac{1}{4}</math> S 12 B T.</p> <p>A pinon pine, 8 ins. diam., bears N. 75° W., 33 lks.      dist.: mkd. <math>\frac{1}{4}</math> S 11 B T.</p>
52.00	<p>Bottom of canon, 400 ft. below sec. cor., course N. 50° E.</p>
	<p>Asc.</p>
57.50	<p>Top of ridge, 150 ft. above canon, bears NE and SW.</p>

## Subdivision of T.6 S., R.5 W.-Continued.

Chs.	Desc.
80.00	<p>Set a sandstone, 20x12x5 ins., 15 ins. in the ground, for cor. or secs. 1, 2, 11, and 12, mkd. with 5 notches on S. and 1 notch on E. edges; from which</p> <p>A pinon pine, 15 ins. dia., bears N. 51° E., 54 lks. dist.. mkd. T 6 S R 5 W S 1 B T.</p> <p>A pinon pine, 6 ins. dia., bears S. 36° E., 57 lks. dist. mkd. T 6 S R 5 W S 12 B T.</p> <p>A pinon pine, 18 ins. dia., bears S. 25° W., 40 lks. dist.. mkd. T 6 S R 5 W S 11 B T.</p> <p>A pinon pine, 8 ins. dia., bears N. 40° W., 50 lks. dist.. mkd. T 6 S R 5 W S 2 B T.</p> <p>Land, mountainous.</p> <p>Soil, gravelly and white clay; 3rd rate.</p> <p>Timber, cedar and pinon pine.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, 80.00 chs.</p> <p>October 23, 1903: At the noon hour the sky is overcast and solar observations are impossible.</p> <hr/> <p>S. 89° 55' E., on a random line bet. secs. 1 and 12.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.32	Intersect E. bdy. of Tp., 2 lks. N., of the cor. of secs. 1, 6, 7, and 12, heretofore described.
	Thence I run
	N. 89° 54' W., on a true line bet. secs. 1 and 12.
	Over mountainous land; through heavy timber.
	Asc.
28.00	Top of ridge, 400 ft. above sec. cor., bears NE and SW.
	Desc.
40.16	Set a sandstone, 16x8x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor.. mkd. $\frac{1}{2}$ on N. face; from which

Subdivision of T. 6. S. R. 5. W. -Continued.

Chs.	A pinon pine, 14 ins. dia., bears N. 15° E., 35 lks. dist.. mkd. $\frac{1}{4}$ S 1 B T.
	A pinon pine, 6 ins. dia., bears S. 50° W., 21 lks. dist.. mkd. $\frac{1}{4}$ S 12 B T.
43.00	Leave heavy timber and enter dense sage brush, bears NE and SW.
46.00	Bottom of hollow, 300 ft. below ridge, course NE . Enter heavy timber, and leave undergrowth, bears with hollow. Asc.
56.00	Top of ridge, 200 ft. above hollow, bears NE and SW. Desc.
67.00	Bottom of hollow, 100 ft. below ridge, course NE . Asc.
70.00	Top of ridge, 100 ft. above hollow, bears NE and SW. Desc.
80.32	The cor. of secs. 1, 2, 11, and 12. Land, mountainous. Soil, gravelly and white clay; 3rd rate. Timber, cedar and pinon pine. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.32 chs.
	N. 0° 1' W., on a random line bet. secs. 1 and 2.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N., bdy. of Tp., 21 lks. N. 89° 58' W., of cor. of secs. 1, 2, 35, and 36, heretofore described. Thence I run S. 0° 08' W., on a true line bet. secs. 1 and 2. Over mountainous land; through heavy timber. Desc.

Subdivision of T. 6 S., R. 5 W.-Continued

Chs.	
12.00	Begin more abrupt descent, bears NE and SW.
30.00	Bottom of hollow, 300 ft. below sec.cor., course NE . Asc.
40.10	Set a sandstone, 18x6x4 inc., 12 inc. in the ground, for sec.cor., mkd. $\pm$ on W. face; from which  A cedar, 7 ins. diam., bears N. $84^{\circ}$ E., 36 lbs. dist..mkd. $\pm$ S 1 B T.  A pinon pine, 6 ins. dia., bears W., 53 lbs. dist..mkd. $\pm$ S 2 B T.
60.00	Top of ridge, 400 ft. above hollow, bears NE and SW. Desc.
66.00	Bottom of hollow, 300 ft. below ridge, course NE . Asc.
80.10	The cor.of secs.1,2,11, and 12.  Land, mountainous.  Soil, gravelly and white clay; 3rd rate.  Timber, cedar and pinon pine.  Good grass for grazing.  Mountainous or heavily timbered land, 80.10 chs.

October 23, 1903.

October 24, 1903: At 8 h 2 m a.m., l.m.t., I set off 39° 55' N., on the lat.arc; 11° 27'S., on the decl.arc; and determine a mer. with the solar at the cor.of secs.2,3,34, and 35, on S.bdy.of Tp., heretofore described.

Thence I run

N.  $0^{\circ} 1'$  W., bet.secs.34 and 35.

Over mountainous land; through dense undergrowth.

Desc.

18.00 Bottom of hollow, 200 ft. below sec.cor., course N.  $70^{\circ}$  E.  
asc.

Subdivision of T 6-S R 5-W -Continued.

Chs.	
26.00	Top of ridge, 100 ft. above hollow, bears N. 80° E. and S. 80° W.
	Desc.
32.00	Bottom of hollow, 100 ft. below ridge, course E.
	Asc.
40.00	Set a sandstone, 18x13x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.. mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Top of ridge, 400 ft. above hollow, bears N. 30° E. and S. 30° W., and S. 60° E.
	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for cor. of secs. 26, 27, 34, and 35, mkd. with 1 notch on S. and 2 notches on E. edges; and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor.
	Land, mountainous.
	Soil, gravelly loam; 2nd rate.
	No timber.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth,
80.00 chs.	
	East, on a random line bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.84	Intersect N. and S. line, 10 lks. N. of the cor. of secs. 25, 26, 35, and 36.
	Thence I run
	N. 89° 56' W., on a true line bet. secs. 26 and 35.
	Over mountainous land; through scattering timber.
	Desc.
36.00	Leave timber and enter scattering sage brush, bears N. 30° E and S. 30° W.

## Subdivision of T 6 S R 5 W -Continued

Chs.

- 39.92 Set a sandstone, 20x12x4 ins., 15 ins. in the ground, for  $\frac{1}{4}$  sec.cor. m mkd.  $\frac{1}{2}$  on N. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- 43.00 Bottom of hollow, 150 ft. below sec.cor., course N. 70° E.
- Asc.
- 79.84 The cor.of secs. 26, 27, 34, and 35 (300 ft. above hollow)  
Land, mountainous.  
Soil, gravelly loam; 2nd rate.  
Timber, aspen and red pine.  
Undergrowth, sage brush.  
Good grass for grazing.  
Mountainous land, 79.84 chs.
- 

N. 0° 1' W., bet. secs. 26 and 27.

Over mountainous land; through scattering undergrowth.

Desc.

- 27.00 Enter aspen saplings, bears E. and W.
- 29.50 Leave aspen saplings, bears E. and W.
- 40.00 Set a sandstone, 18x8x5 ins.,  $1\frac{1}{2}$  ins. in the ground, for  $\frac{1}{4}$  sec.cor.. mkd.  $\frac{1}{2}$  on W. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- 52.50 Enter heavy timber, bears N. 60° E. and S. 60° W.  
Leave undergrowth, bears N. 60° E. and S. 60° W.
- 53.74 Bottom of hollow, 500 ft. below sec.cor., course N. 30° E.
- Asc.
- 58.50 Same hollow, 20 ft. below hollow, course N. 20° W.  
Asc.
- 62.00 Leave heavy and enter scattering timber, bears N. 20° W. and S. 20° E.
- 69.00 Leave timber, bears NE and SW.
- 72.00 Bottom of same hollow, 200 ft. below hollow, course NE.  
Asc.

Subdivision of T.6 S. R.5 W.-Continued.

- | Chs.  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 79.60 | Enter heavy timber,bears NE and SW.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 80.00 | Set a sandstone,18x8x7 ins.,12 ins.in the ground,for cor.of secs.22,25,26, and 27,mkd.with 2 notches on S.,and E.edges;from which<br><br>A pinon pine,11 ins.dia.,bears N.41°E.,240 lks.<br>dist..mkd.T 6 S R 5 WS 23 B T.<br>A cedar,7 ins.dia.,bears S.62°W.,123 lks.<br>dist..mkd.T 6 S R 5 W S 27 B T.<br>A cedar,7 ins.dia.,bears N.22°W.,123 lks.<br>dist..mkd.T 6 S R 5 WG 22 B T.<br><br>No tree in sec.26 within limits;raise a mound of stone,<br>2 ft.base,1½ ft.high,W.of cor.<br>Land,mountainous.<br>Soil,gravelly;2nd rate.<br>Timber,pinon pine and cedar.<br>Undergrowth,aspen saplings and sage brush.<br>Good grass for grazing.<br>Mountainous or heavily timbered land,or land-covered-with dense-undergrowth,80.00 chs.<br><br>October 24,1903:At this cor.I set off 11°32'S.,on the decl.arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the mer.the resulting lat.is 39°57'N.,which is the proper lat.nearly. |
| 40.00 | S.89° 56'E.,on a random line betsecs.23 and 26.<br>Set temp.½ sec.cor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 80.04 | Intersect N.and S.line,5 lks.S.of the cor.of secs.23,24,25, and 26.<br>Thence I run<br>N.89° 58'W.,on a true line betsecs.23 and 26.<br>Over mountainous land.<br>Desc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Subdivision of T .6 S., R.5 W -Continued.

- Chs.
- 29.50 Bottom of hollow, 400 ft. below sec.cor., course N.30° E.  
Asc.
- 40.02 Set a sandstone, 18x16x4 ins., 12 ins. in the ground, for  
 $\frac{1}{4}$  sec.cor.. mkd.  $\frac{1}{2}$  on N. face; and raise a mound of stone,  
2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- 41.50 Top of ridge, 350 ft. above hollow, bears N.30° E. and S.30°  
W.
- Desc.
- 58.00 Enter scattering timber, bears N. and S.
- 68.50 Bottom of hollow, 500 ft. below ridge, course N.  
A seeping spring bears S., 250 lks. dist.  
Asc.
- 71.50 Top of ridge, 50 ft. above hollow, bears N. and S.  
Desc.
- 74.75 Bottom of hollow, 100 ft. below ridge, course NE.  
Asc.
- 80.04 The cor. of secs. 22, 23, 26, and 27.  
Land, mountainous.  
Soil, gravelly loam and rocky; 2nd and 4th rate.  
Timber, pinon pine and red pine.  
Good grass for grazing.  
Mountainous land, 80.04 chs.
- 
- N.0° 1' W., bet. secs. 22 and 23.  
Over mountainous land; through heavy timber.  
Asc.,
- 7.00 Foot of shale ledge, 20 ft. high, bears NE and SW.
- 15.00 Leave timber, and enter undergrowth, bears NE and SW.
- 25.00 Enter scattering timber, bears NE and SW.
- 29.00 Top of ridge, 400 ft. above sec.cor., bears NE and SW.  
Desc.

Subdivision of T. 6 S., R. 5 W.-Continued.

Chs.	
29.60	Leave timber, bears NE and SW.
40.00	Set a sandstone, 16x10x5 ins., 11 ins. in the ground, for $\frac{1}{2}$ sec. cor., mkd. $\frac{1}{2}$ on W. face; from which A cedar, 8 ins. dia. bears N. 7° E., 400 lks. dist. mkd. $\frac{1}{2}$ S 23 B T: A balsam, 6 ins. dia., bears N. 75° W., 200 lks. dist. mkd. $\frac{1}{2}$ S 22 B T.
43.50	Spring branch, 1 lk. wide 1 inch deep, in bottom of canon, 300 ft. below ridge, course N. 40° E. Asc.
45.60	Enter timber, bears N. 40° E. and S. 40° W.
61.00	Top of ridge, 400 ft. above canon, bears N. 80° E. and S. 80° W. Desc.
70.00	Bottom of hollow, 150 ft below ridge, course N. 80° E. Asc.
80.00	Set a sandstone, 15x12x4 ins., 10 ins. in the ground, for cor. of secs. 14, 15, 22, and 23, mkd. with 3 notches on S. and 2 notches on E. edges; from which A cedar, 12 ins. dia., bears N. 12° E., 300 lks. dist. mkd. T 6 S R 5 W S 14 B T. A cedar, 14 ins. dia., bears S. 55° E., 70 lks. dist. mkd. T 6 S R 5 W S 23 B T. A pinon pine, 3 ins. dia., bears S. 64° W., 72 lks. dist. mkd. T 6 S R 5 W S 22 B T. A pinon pine, 3 ins. dia., bears N. 40° W., 75 lks. dist. mkd. T 6 S R 5 W S 15 B T.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine and aspen.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

Subdivision of T. 6 S., R. 5 W.-Continued

Chs.	S. 89° 58' E., on a random line bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor..
80.26	Intersect N. and S. line, 16 lks. S. of the cor. of secs. 13, 14, 23, and 24.  Thence I run  S. 89° 55' W., on a true line bet. secs. 14 and 23.  Over mountainous land; through dense undergrowth.  desc.
10.00	Bottom of hollow, 100 ft. below sec. cor., course N. 25° E.  Asc.
20.00	Top of ridge, 100 ft. above hollow, bears N. 20° W. and S. 20° E.  Desc.
40.13	Set a sandstone, 20x12x4 ins., 15 ins. in the ground, 16 ft $\frac{1}{4}$ sec. cor.. mkd. $\frac{1}{4}$ on N. face; from which  A pinon pine, 15 ins. dia., bears N. 3° E., 535 lks. dist.. mkd. $\frac{1}{4}$ S 14 B T.  A pinon pine, 18 ins. dia., bears S. 5° E., 35 lks. dist.. mkd. $\frac{1}{4}$ S 23 B T.
40.50	Bottom of hollow, 100 ft. below ridge, course N. 5° E.  Enter heavy timber, bears with hollow. Asc.
47.00	Top of ridge, 120 ft. above hollow, bears N. 15° E. and S. 15° W.  Desc.
58.50	Bottom of hollow, 150 ft. below ridge, course N. 25° E.  Asc.
80.26	The cor. of secs. 14, 15, 22, and 23.  Land, mountainous.  Soil, gravelly; 3rd rate.  Timber, cedar and pinon pine.  Undergrowth, sage brush.  Good grass for grazing.  Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.26 chs.

Subdivision of T. 6 S., R. 5 W -Continued.

Chs.

October 24, 1903.

- October 25, 1903: At 8 h 0 m a.m., l.m.t., I set off  $39^{\circ} 58' N.$ ,  
on the lat.arc;  $11^{\circ} 48' S.$ , on the decl.arc; and determine a  
mer. with the solar, at the cor. of secs. 14, 15, 22, and 23.  
Thence I run  
N.  $0^{\circ} 1' W.$ , bet. secs. 14 and 15.  
Over mountainous land; through scattering timber.  
Asc.  
7.00 Top of ridge, 50 ft. above sec.cor., bears N.  $70^{\circ} E.$  and S.  $70^{\circ}$   
W. Leave timber, bears with ridge.  
Des.  
40.00 Set a sandstone,  $20 \times 12 \times 4$  ins., 15 ins. in the ground, for  
 $\frac{1}{2}$  sec.cor.. mkd.  $\frac{1}{4}$  on W. face; and raise a mound of stone,  
2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
50.00 Bottom of hollow, 400 ft. below ridge, course N.  $35^{\circ} E.$ .  
Enter heavy timber, bears with hollow. Asc.  
73.00 Leave timber, bears N.  $35^{\circ} E.$  and S.  $35^{\circ} W.$   
80.00 Set a sandstone,  $22 \times 7 \times 4$  ins., 16 ins. in the ground, for  
cor. of secs. 10, 11, 14, and 15, mkd. with 4 notches on S. and  
2 notches on E. edges; and raise a mound of stone, 2 ft.  
base,  $1\frac{1}{2}$  ft. high, W. of cor.  
Land, mountainous.  
Soil, gravelly loam; 2nd rate.  
Timber, cedar and pinon pine.  
Good grass for grazing.  
Mountainous or heavily timbered land, 80.00 chs.  
  
N.  $89^{\circ} 55' E.$ , on a random line bet. secs. 11 and 14.  
40.00 Set temp.  $\frac{1}{4}$  sec.cor.

Subdivision of T. 6 S., R. 5 W. -Continued

Chs.

80.16 Intersect N. and S. line, 5 lks. S. of the cor. or secs.

11, 12, 13, and 14.

Thence I run

' S. 89° 53' W., on a true line bet. secs. 11 and 14.

Over mountainous land, through heavy timber.

Desc.

10.00 Bottom of hollow, 100 ft. below sec. cor., course N. 25° W.

Asc.

20.00 Top of ridge, 150 ft. above hollow, bears N. 15° W. and S. 15° E.

Desc.

40.08 Bottom of hollow, 60 ft. below ridge, course N.

Set a sandstone, 20x10x4 ins., 15 ins. in the ground, for  
sec. cor.. mkd.  $\frac{1}{2}$  on N. face; from which

A pinon pine, 8 ins. dia., bears N., 115 lks.

dist. mkd.  $\frac{1}{2}$  S 11 B T.

A pinon pine, 6 ins. dia., bears S. 10° W., 35 lks.

dist. mkd.  $\frac{1}{2}$  S 14 B T.

46.50 Top of ridge, 75 ft. above hollow, bears N. 10° E. and S. 10° W.

Desc.

68.00 Bottom of hollow, 100 ft. below ridge, course N. 20° E.

Asc.

80.16 The cor. or secs. 10, 11, 14, and 15.

Land, mountainous.

Scil, gravelly and white clay; 3rd rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.16 chs.

N. 0° 1' W., bet. secs. 10 and 11.

Over mountainous land; through dense undergrowth.

Asc.

Subdivision of T 6 S .R 5 -Continued

Ghs.	
9.00	Leave undergrowth and enter heavy timber,bears NE and SW.
11.00	Top of ridge,200 ft.above hollow,bears N.20°E.and S.20°W. Desc.
37.50	Bottom of hollow,350 ft.below ridge,course N.65°W. Asc.
40.00	Set a sandstone,24x13x4 ins.,18 ins.in the ground,for $\frac{1}{4}$ sec.cor..mkd. $\frac{1}{4}$ on W.face;from which  A pinon pine,10 ins.in dia.,bears N.80°E.,130 lks.dist.,mkd. $\frac{1}{4}$ S 11 B T.  A pinon pine,11 ins.dia.,bears N.12°W.,135 lks dist..mkd. $\frac{1}{4}$ S 10 B T.
42.00	Top of ridge,100 ft.above hollow,bears E.and W. Desc.
53.50	Bottom of hollow,150 ft.below ridge,course N.60°W. Asc.
60.00	Top of ridge,150 ft.above hollow,bears N.60°W.and S.60° E. Desc.
65.80	Bottom of hollow,200 ft.below ridge,course N.85°W. Asc.
75.00	Top of ridge,400 ft.above hollow,bears E.and W. Desc.
80.00	Set a sandstone,18x10x4 ins. 12 ins.in the ground,for cor.of secs.2,3,10, and 11,mkd.with 5 notches on S.and 2 notches on E.edges;from which  A pinon pine,3 ins.dia.,bears N.84°E.,16 lks. dist..mkd.T 6 SR 5 W S 2 B T.  A pinon pine,6 ins.dia.,bears S.20°E.,288 lks. dist..mkd.T 6 S R 5 W S 11 B T.  A pinon pine,4 ins dia.,bears S.23°W.,32 lks. dist..mkd.T 6 S R 5 WS 10 B T.  A cedar,12 ins.dia.,bears N.32°W.,83 lks. dist..mkd.T 6 S R 5 W S 3 B T.
	Land,mountainous.

## Subdivision of T 6 S R 5 W -Continued

- Chs. Soil, gravelly and white clay; 3rd rate.  
Timber, cedar and pinon pine.  
Undergrowth, sage brush.  
Good grass for grazing.  
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.  
October 25, 1905: At this cor. I set off  $11^{\circ} 53' S.$ , on the decl. arc; and at 0 h z m p.m.l.m.t., I observe the sun on the mer. the resulting lat. is  $39^{\circ} 59' N.$ , which is the proper lat. nearly.
- 
- N.  $89^{\circ} 53' E.$ , on a random line bet. secs. 2 and 11.  
40.00 Set temp.  $\frac{1}{4}$ . sec. cor.  
80.32 Intersect N. and S. line, 23 lks. N. of the cor. of secs. 1, 2, 11, and 12.  
Thence I run  
N.  $89^{\circ} 57' W.$ , on a true line bet. secs. 2 and 11.  
Over mountainous land; through heavy timber.  
Desc.  
13.50 Bottom of hollow, 50 ft. below sec. cor., course N.  $20^{\circ} E.$   
Asc.  
40.16 Set a limestone, 14x10x4 ins., 9 ins. in the ground, for  $\frac{1}{4}$  sec. cor.. mkd.  $\frac{1}{4}$  on N. face; from which  
A pinon pine, 8 ins. dia., bears N.  $60^{\circ} E.$ , 75 lks. dist.. mkd.  $\frac{1}{4}$  S 2 B T.  
A pinon pine, 14 ins. dia., bears S.  $85^{\circ} W.$ , 35 lks. dist.. mkd.  $\frac{1}{4}$  S 11 B T.  
45.00 Top of ridge, 200 ft. above hollow, bears N. and S.  
Desc.  
67.25 Bottom of hollow, 350 ft. below ridge, course N.  $20^{\circ} W.$   
Asc.  
79.00 Top of ridge, 200 ft. above hollow, bears N. and S.

## Subdivision of T\_6\_S .R 5 W -Continued

Chs.	Desc.
80.32	The cor.of secs.2,3,10, and 11. Land,mountainous. Soil,gravelly and white clay;3rd rate. Timber,cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land,80.32 chs.
40.00	N.0°1'W.,on a random line betsecs.2 and 3. Set temp. $\pm$ sec.cor.
80.18	Intersect N.bdy.or Tp.,35 lks.N.89°58'W.of cor.of secs.2,3,34, and 35,heretofore described. S.0°14'W.,on a true line betsecs.2 and 3. Over mountainous land;through heavy timber. Asc.
3.50	Top of ridge,20 ft.above sec.cor.,bears N.60°W.and S.60°E. Desc. over ledges.
12.00	Leave ledges,bears N.30°W.and S.30°E.
30.00	Enter ledges,bears NW and SE.
40.18	Set a sandstone,18x11x3 ins.,12 ins.in the ground,for $\pm$ sec.cor..mkd. $\pm$ on W.face;from which A pinon pine,14 ins.dia.,bears S.45°E.,80 lks. dist. mkd.. $\pm$ S 2 B T. A pinon pine,14 ins.dia.,bears N.10°W.,110 lks. dist..mkd. $\pm$ S 3 B T.
41.00	Leave ledges,bears E.and W.
60.00	Bottom of hollow,600 ft.below ridge,course W. Asc.
80.18	The cor.of secs.2,3,10, and 11. Land,mountainous. Soil,gravelly and white clay;3rd rate.

## Subdivision of T.6 S., R.5 W.-Continued.

- Chs. Timber, cedar and pinon pine.  
Good grass for grazing.  
Mountainous or heavily timbered land, 80.18 chs.

October 25, 1903.

October 26, 1903: At 8 h 2 m a.m., l.m.t., I set off  $39^{\circ}$   
 $55'N.$ , on the lat.arc;  $12^{\circ}9'S.$ , on the decl.arc; and deter-  
mine a mer. with the solar at the cor.or secs.

3, 4, 33, and 34, on S.bdy.or To., heretorore described.

Thence, I run

$N.0^{\circ}2'W.$ , bet.secs.33 and 34.

Over mountainous land; through scattering undergrowth.

Desc.

40.00 Set a sandstone,  $16 \times 12 \times 3$  ins., 11 ins. in the ground, for  
 $\frac{1}{4}$  sec.cor.. mkd.  $\frac{1}{4}$  on W.face; and raise a mound of stone,  
2 ft.base,  $1\frac{1}{2}$  ft.high, W.of cor.

41.00 Bottom of canon, 600 ft.below sec.cor., course NE.

Asc.

52.80 Top of spur, 250 ft.above canon, bears E.and W.

Desc.

65.00 Bottom of hollow, 200 ft.below ridge, course E.

Asc.

80.00 Set a sandstone,  $16 \times 10 \times 5$  ins., 11 ins. in the ground, for  
cor.or secs. 27, 28, 33, and 34, mkd. with 1 notch on S.and  
3 notches on L.edges; and raise a mound of stone, 2 ft.  
base,  $1\frac{1}{2}$  ft.high, W.of cor.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, 80.00 chs.

## Subdivision of T.6 S R.5 W.-Continued.

Chs.

East, on a random line bet. secs. 27 and 34.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.80.12 Intersect N. and S. line, 21 lks. S. of the cor. of secs.  
26, 27, 34, and 35.

Thence I run

S.  $89^{\circ} 51' W.$ , on a true line bet. secs. 27 and 34.

Over mountainous land.

Desc.

28.00 Enter scattering timber, bears NE and SW.

30.00 Bottom of canon, 500 ft. below sec. cor., course NE.  
Asc.40.06 Set a sandstone, 16x11x4 ins., 11 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor.. mkd.  $\frac{1}{4}$  on N. face; and raise a mound of stone,  
2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

64.00 Leave timber, bears N. and S.

80.12 The cor. of secs. 27, 28, 33, and 34.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, 80.12 chs.

October 26, 1903: At this cor. I set off  $12^{\circ} 13' S.$ , on the  
decl. arc; and at 0 h 2 m p.m.l.m.t., I observe the sun  
on themer. the resulting lat. is  $39^{\circ} 56' N.$ , which is the  
proper lat. nearly.N.  $0^{\circ} 2' W.$ , bet. secs. 27 and 28.

Over mountainous land.

Asc.

## Subdivision of T.6 S., R.5 W.-Continued.

Chs.	
1.00	Top of ridge, 10 ft. above sec.cor., bears NE and SW. Desc.
29.00	Enter heavy aspen timber, bears NE and SW.
30.00	Hollow, 100 ft. below sec.cor., course NE. Leave timber, bears NE and SW. Asc.
36.00	Top of steep ascent, bears NE and SW.
40.00	Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for sec.cor.. mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
76.00	Top of ridge, 200 ft. above hollow, bears NE and SW. Desc.
80.00	Set a sandstone, 16x10x5 ins., 11 ins. in the ground, for cor. of secs. 21, 22, 27, and 28, mkd. with 2 notches on S. and 3 notches on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, mountainous. Soil, gravelly loam; 2nd rate. Timber, aspen. Good grass for grazing. Mountainous or heavily timbered land, 80.00 chs.

---

	N. $89^{\circ} 51' E.$ , on a random line bet. secs. 22 and 27.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.10	Intersect N. and S. line, 14 lks. N. of the cor. of secs. 22, 23, 26, and 27. Thence I run
	S. $89^{\circ} 57' W.$ , on a true line bet. secs. 22 and 27. Over mountainous land; through heavy timber. Asc.
16.00	Leave timber, bears N. $20^{\circ} E.$ and S. $20^{\circ} W.$
20.00	Top of ridge, 500 ft. above sec.cor., bears NE and SW.

## Subdivision of T.6 S., R.5 W.-Continued.

Chs.	Desc.
40.05	Set a sandstone, 16x8x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec.cor.. mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
47.75	Bottom of hollow, 400 ft. below ridge, course NE.
	Asc.
76.00	Top of ridge, 300 ft. above hollow, bears NE and SW.
	Desc.
80.10	The cor. of secs. 21, 22, 27, and 28.
	Land, mountainous.
	Soil, gravelly loam; 2nd rate.
	Timber, pinon pine and cedar.
	Good grass for grazing.
	Mountainous or heavily timbered land; 80.10 chs.

October 26, 1903.

October 27, 1903: At 8 h 2 m a.m., l.m.t., I set off  $39^{\circ} 57'N.$ , on the lat. arc;  $12^{\circ} 28'S.$ , on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 21, 22, 27, and 28.

Thence I run

N. $0^{\circ} 2'W.$ , bet. secs. 21 and 22.

Over mountainous land;

Desc.

20.00 Bottom of hollow, 100 ft. below sec.cor., course N. $35^{\circ}W.$

Asc.

30.00 Top of ridge, 50 ft. above hollow, bears NW and SE.

Enter heavy timber, bears with ridge.

Desc.

40.00 Set a sandstone, 15x10x6 ins., 10 ins. in the ground, for  $\frac{1}{4}$  sec.cor.. mkd.  $\frac{1}{4}$  on W. face; from which

A pinon pine, 7 ins. dia., bears N. $60^{\circ}E.$ , 35 lvs.

Subdivision of T. 6 S., R. 5 W.—Continued.

Chs.

dist.. mkd.  $\frac{1}{4}$  S 22 B T.

A cedar, 7 ins. dia., bears N.  $40^{\circ}$  W., 60 lks.

dist..mkd. S 21 B T.

80.00 Set a sandstone, 16x8x4 ins., 11 ins. in the ground, for  
cor. or secs. 15, 16, 21, and 22, mkd. 6 S. on NE , and 5 W. on  
SE faces; with 3 notches on S., and E. edges; from which

A pinon pine, 14 ins. dia., bears N. 20° E., 150 lks. dist. mkd. T 6 S R 5 W S 15 B. T.

A red pine, 16 ins. dia., bears S. 70° E., 440 lks.  
dist.. mkd. T 6 S R 5 W. S 22 B T.

A red pine, 16 ins. dia., bears S. 50° W., 225 lks.  
dist.. mkd. T 6 S R 5 WS 21 B T. .

A cedar, 5 ins. dia., bears N. 75° W., 45 lks.  
dist.. mkd. T 6 S R 5 WS 16 B T.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, cedar, pinon pine, red pine and aspen.

Good grass for grazing.

Mountainous or heavily timbered land 80.00 cbs

N. $89^{\circ} 57' E.$ , on a random line bet. secs 15 and 28

40.00 Set temp. = sec. cor.

80.12 Intersect N. and S. line, 23 lks. N. of the cor. of secs.  
14, 15, 22, and 23.

Thence I run.

N.  $89^{\circ} 53' W.$ , on a true line bet. secs 15 and 22

Over mountainous land through heavy timber

150

17.50 Top of ridge, 200 ft. above sec. cor., bears N.60°E. and S.60°

5

40.06 Set a sandstone, 15x14x3 ins., 10 ins. in the ground top

## Subdivision of T. 6 S. R. 5 W. -Continued

- Chs.  $\frac{1}{2}$  sec.cor..mkd. $\frac{1}{2}$  on N.face; from which  
 A pinon pine, 14 ins.dia., bears N.5° E., 400 lks.  
 dist..mkd. $\frac{1}{2}$  S 15 B T.
- A pinon pine, 12 ins.dia.. bears S.50° W., 40  
 lks.dist..mkd. $\frac{1}{2}$  S 22 B T.
- 48.00 Bottom of hollow, 300 ft. below ridge, course N.70° W.  
 Asc.
- 56.00 Top of ridge, 150 ft. above hollow, bears NW and SW.  
 Desc.
- 69.00 Bottom of hollow, 200 ft. below ridge, course NE .  
 Asc.
- 74.00 Top of ridge, 200 ft. above hollow, bears N. and S.  
 Desc.
- 80.12 The cor.of secs.15,16,21, and 22.  
 Land, mountainous.  
 Soil, gravelly loam and white clay ; 2nd and 3rd rate.  
 Timber, pinon pine and cedar.  
 Good grass for grazing.  
 Mountainous or heavily timbered land, 80.12 chs.  
 October 27, 1903: At this cor.I set off 12° 34'S., on the  
 decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on  
 the mer. the resulting lat. is 39° 58'N., which is the  
 proper lat.nearly.
- 
- N.0° 2'W., bet.secs.15 and 16.  
 Over mountainous land; through heavy timber.  
 Desc.
- 9.30 Bottom of hollow, 20 ft. below sec.cor., course N.50° E.  
 Asc.
- 9.50 Leave timber, bears N.50° E. and S.50° W.
- 14.60 Enter heavy timber, bears NE and SW.
- 40.00 Set a sandstone, 26x12x5 ins., 19 ins.in the ground, for  
 $\frac{1}{2}$  sec.cor..mkd. $\frac{1}{2}$  on W.face; from which

## Subdivision of T.6 S., R.5 W.-Continued.

- Chs.            A pinon pine, 8 ins. dia., bears N. 45° E., 160 lks.  
           dist.. mkd.  $\frac{1}{4}$  S 15 B T.
- A pinon pine, 7 ins. dia., bears S. 60° W., 50 lks.  
           dist.. mkd.  $\frac{1}{4}$  S 16 B T.
- 48.00 Top of ridge, 400 ft. above canon, bears N. 80° W. and S. 80° E.  
       Desc.
- 71.50 Bottom of hollow, 400 ft. below ridge, course N. 80° E.  
       Asc.
- 80.00 Set a sandstone, 20x10x3 ins., 15 ins. in the ground, for  
       cor. or secs. 9, 10, 15, and 16, mkd. with 4 notches on S. and  
       3 notches on E. edges; from which
- A pinon pine, 18 ins. dia., bears N. 29° E., 70 lks.  
           dist.. mkd. T 6 S R 5 WS 10 B T.
- A pinon pine, 10 ins. dia., bears S. 32° E., 70 lks.  
           dist.. mkd. T 6 S R 5 W S 15 B T.
- A pinon pine, 30 ins. dia., bears S. 7° W., 89 lks.  
           dist.. mkd. T 6 S R 5 WS 16 B T.
- A pinon pine, 10 ins. dia., bears N. 59° W., 80 lks.  
           dist.. mkd. T 6 S R 5 WS 9 B T.
- Land, mountainous.
- Soil, gravelly loam and white clay; 2nd and 3rd rate.
- Timber, cedar and pinon pine.
- Good grass for grazing.
- Mountainous or heavily timbered land, 80.00 chs.
- October 27, 1903: At this cor. latitude  $39^{\circ} 58' 29''$  N., longitude,  $110^{\circ} 29' 33''$  west, I set off  $39^{\circ} 59'$  N., on the lat. arc;  $12^{\circ} 36'$  S. on the decl. arc; and at 4 h 0 m p.m., l.m.t., I determine a mer. with the solar, and mark a point there of on a stone firmly set in the ground, 5.00 chs. N. of the cor.
- At 5 h 9 m p.m., l.m.t., I obs. Pol. at eastern elong. in accordance with the Manual, and mark the line thus determined, on a peg driven in the ground, 5.00 chs. N. of the Cor.

October 27, 1903.

## Subdivision or T 6 S. R.5.W.-Continued.

- Chs. October 28, 1903: At 6 h 59 m a.m., l.m.t., I lay off the azimuth of Polaris  $1^{\circ} 34.8'$  to the west and mark the mer. thus determined, by cutting a small groove in the stone, already set 5.00 chs. N. of the cor.; this mark falls 0.35 ins. east of the mer. established with the solar.  
 At 8 h 2 m a.m., l.m.t., I set. off  $39^{\circ} 59'N.$ , on the lat. arc;  $12^{\circ} 49'S.$ , on the decl. arc; and mark the mer. determined with the solar, by a cross on the stone already set 5.00 chs. N. of cbr.; this mark falls 0.38 ins. east of the mer. established by Pol. obsn.  
 The solar apparatus by p.m. and a.m. observations, defines positions for meridians, respectively, about  $0' 18''$  west, and  $0' 20''$  east of the mer. established by Pol. obsn.; therefore I conclude that the adjustments of the instrument are satisfactory.  
 The magnetic bearing of the mer. is  $N. 16^{\circ} 32'W.$ , the angle thus determined, gives the mag. decl.  $16^{\circ} 32'E.$

- 
- S.  $89^{\circ} 53'E.$ , on a random line bet. secs. 10 and 15.  
 40.00 Set temp.  $\frac{1}{2}$  sec. cor.  
 80.06 Intersect N. and S. line, 5 lks. S. of the cor. or secs. 10, 11, 14, and 15.  
 Thence 1 run  
 N.  $89^{\circ} 55'W.$ , on a true line bet. secs. 10 and 15.  
 Over mountainous land; through heavy timber.  
 Asc.  
 7.00 Top of ridge, 50 ft. above sec. cor., bears N.  $30^{\circ}E.$  and S.  $30^{\circ}W.$   
 Desc.  
 26.00 Bottom of hollow, 150 ft. below ridge, course N.  $80^{\circ}W.$   
 Asc.  
 32.00 Top of ridge, 200 ft. above hollow, bears N.  $80^{\circ}W.$  and S.  $80^{\circ}$

## Subdivision of T. 6 S., R. 5 W. -Continued.

Chs.	E.
	Desc.
40.03	Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for sec.cor..mkd. on N. face; from which A pinon pine, 6 ins. dia., bears N. 10° E., 47 lks. dist..mkd. S 10. B. T. A pinon pine, 12 ins. dia., bears S. 45° W., 35 lks. dist..mkd. S 15 B T.
49.00	Leave timber, bears N. 20° W. and S. 20° E.
52.00	Bottom of hollow, 100 ft. below ridge, course N. 20° W. Asc.
55.00	Enter heavy timber, bears N. 20° W. and S. 20° E.
65.00	Top of ridge, 550 ft. above hollow, bears N. 20° E. and S. 20° W. Desc.
70.00	Bottom of hollow, 250 ft. below ridge, course N. 20° E. Asc..
80.06	The cor. of secs. 9, 10, 15, and 16. Land, mountainous. Soil, gravelly and white clay ; 3rd rate. Timber, pinon pine and cedar. Good grass for grazing. Mountainous or heavily timbered land, 80.06 chs.
	N. 0° 2' W., bet. secs. 9 and 10. Over mountainous land; through heavy timber. Asc.
4.80	Top of ridge, 50 ft. above sec.cor., bears N. 80° E. and S. 80° W. Desc.
17.00	Bottom of hollow, 300 ft. below ridge, course N. 80° E. Asc.
40.00	Set a sandstone, 15x15x4 ins., 10 ins. in the ground, for

## Subdivision of T 6 S R 5 W -Continued

- Chs.  $\frac{1}{2}$  sec.cor..mkd. $\frac{1}{2}$  on W.face; from which  
 A pinon pine, 18 ins.dia., bears S.75° E., 44 lks.dist..mkd. $\frac{1}{2}$  S 10 B T.
- A pinon pine, 15 ins.dia., bears W., 60 lks.dist..mkd. $\frac{1}{2}$  S 9 B T.
- 71.00 Top of ridge, 400 ft. above hollow, bears NE and W.
- Desc.
- 80.00 Set a sandstone, 22x10x3 ins., 16 ins.in the ground, for cor.of secs.5,4,9, and 10,mkd.with 5 notches on S.and 3 notches on E.edges; from which  
 A pinon pine, 8 ins.dia., bears N.39° E., 56 lks.dist..mkd.T 6 S R 5 W S 3 B T.
- A cedar, 7 ins.dia., bears S.13° E., 39 lks.dist..mkd.T 6 S R 5 W S 10 B T.
- A pinon pine, 6 ins.dia., bears S.74° W., 45 lks.dist..mkd.T 6 S R 5 W S 9 B T.
- A pinon pine, 5 ins.dia., bears N.27° W., 29 lks.dist..mkd.T 6 S R 5 W S 4 B T.
- Land, mountainous.
- Soil, gravelly and white clay loam; 2nd and 3rd rate.
- Timber, pinon pine and cedar.
- Good grass for grazing.
- Mountainous or heavily timbered land, 80.00 chs.
- October 28, 1903: At the noon hour the sky is overcast and solar observations are impossible.
- 
- S.89° 55'E., on a random line bet secs.3 and 10
- 40.00 Set temp. $\frac{1}{2}$  sec.cor.
- 79.98 Intersect N.and S.line, 23 lks.S.of the cor.of secs.2,3, 10, and 11.
- Thence I run
- S.89° 55'W., on a true line bet secs.3 and 10.

## Subdivision of T. 6 S., R. 5 W.-Continued

Chs.	Over mountainous land; through heavy timber.
	Desc. . .
39.99	Set a sandstone, 18x10x3 ins., 12 ins. in the ground, for 1/2 sec.cor.. mkd. $\frac{1}{2}$ on N. face; from which A pinon pine, 6 ins. dia., bears N. 86° W., 25 lks. dist.. mkd. $\frac{1}{2}$ S 3 B T. A pinon pine, 3 ins. dia., bears S. 60° W., 43 lks. dist.. mkd. $\frac{1}{2}$ S 10 B T.
41.10	Bottom of canon, 700 ft. below sec.cor., course N. Asc.
46.00	Foot of ledges, bears N. and S. Enter ledges.
57.25	Leave ledges, , bears N. 75° E. and S. 75° W.
71.00	Top of ridge, 700 ft. above canon, bears NE and SW. Desc.
79.98	Point 150 ft. below ridge, The cor.of secs. 3, 4, 9, and 10. Land, mountainous. Soil, gravelly ; 3rd rate. Timber, pinon pine and cedar. Good grass for grazing. Mountainous or heavily timbered land, 79.98 chs.
	N. 0° 2' W., on a random line bet. secs. 3 and 4.
40.00	Set temp. $\frac{1}{2}$ sec.cor.
80.16	Intersect N. bdy. of Tp., 16 lks. N. 89° 58' W., from the cor. of secs. 3, 4, 33, and 34, heretofore described. Thence I run S. 0° 5' W., bn a true line bet. secs. 5 and 4. Over. mountainous land; through. heavy timber.
	Asc.
7.50	Top of ridge, 180 ft. above sec.cor., bears N. 60° W. and S. 60° E.

## Subdivision of T. 6 S., R. 5 W. -Continued.

Chs.	Desc.
13.00	Bottom of hollow, 100 ft. below ridge, course NW. Asc. 29.00 Top of ridge, 200 ft. above hollow, bears N. 45° W. and S. 45° E. Desc. 39.00 Bottom of hollow, 100 ft. below ridge, course NW. Asc. 40.16 Set a sandstone, 20x16x7 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor.. mkd. $\frac{1}{4}$ on W. face; from which A pinon pine, 5 ins. dia., bears N. 15° E., 35 lks. dist.. mkd. $\frac{1}{4}$ S 3 B T. A pinon pine, 5 ins. dia., bears S. 70° W., 30 lks. dist.. mkd. $\frac{1}{4}$ S .4 B T. 54.00 Top of ridge, 400 ft. above hollow, bears NW and SE. Desc. 76.00 Bottom of hollow, 200 ft. below ridge, course W. Asc. 80.16 The cor. of secs. 5, 4, 9, and 10. Land, mountainous. Soil, white clay and gravelly; 3rd rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.16 chs.

, October 28, 1903.

---

October 29, 1903: At 7 h 58 m a .m., l.m.t., I set off 39° 55' N., on the lat. arc; 13° 09' S., on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 4, 5, 32, and 33, on S. bdy. of Tp., heretofore described. Thence I run N. 0° 3' W., bet. secs. 32 and 33.

Subdivision of T. 6 S., R. 5 W.-Continued.

Chs.	Over mountainous land.
	Desc.
15.00	Bottom of swale, 100 ft. below sec.cor., course W.
	Asc.
26.00	Top of ridge, 100 ft. above swale, bears E. and W.
	Desc.
38.00	Enter heavy timber, bears E. and W.
40.00	An aspen, 6 ins. dia., for $\frac{1}{4}$ sec.cor., I mark $\frac{1}{4}$ S 32 on W., 33 on E. sides; from which
	A. aspen, 4 ins. dia., bears E., 29 lks. dist., mkd. $\frac{1}{4}$ S 33 B T.
	An aspen, 3 ins. dia., bears W., 4 lks. dist., mkd. $\frac{1}{2}$ S 32 B T.
50.50	Bottom of hollow, 400 ft. below ridge, course N. $70^{\circ}$ W., Asc.
51.00	Leave timber, bears NW and SE.
80.00	Set a sandstone, 18x11x3 ins., 12 ins. in the ground, for cor. or secs. 28, 29, 32, and 33, mkd. with 1 notch on S. and 4 notches on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Land, mountainous.
	Soil, gravelly loam; 2nd rate.
	Timber, Aspen.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.
	East, on a random line bet. secs. 28 and 33.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.78	Intersect N. and S. line, 19 lks. N. of the cor. or secs. 27, 28, 33, and 34.
	Thence I run
	N. $89^{\circ} 52' W.$ , on a true line bet. secs. 28 and 33.

Subdivision of T.6 S., R.5 W.-Continued.

- Chs. Over mountainous land;  
Asc.  
1.00 Top of ridge, 10 ft. above sec.cor., bears NE and SW.  
Desc.  
20.00 Head of hollow, 150 ft. below ridge, course N. 25° E.  
Asc.  
36.00 Top of ridge, 200 ft. above hollow, bears N. and S.  
Enter dense aspen saplings, bears N. and S.  
Desc.  
38.50 Leave aspen saplings, bears NE and SE.  
39.89 Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for  
sec.cor.. mka.  $\frac{1}{2}$  on N. face; from which  
A aspen, 4 ins. dia., bears S. 77° E., 124 lks.  
dist. mka.  $\frac{1}{2}$  S 35 B T.  
An aspen, 3 ins. dia., bears N. 45° E., 81 lks.  
dist. mka.  $\frac{1}{2}$  S 28 B T.  
79.78 The cor. of secs. 28, 29, 32, and 33.  
Land, mountainous.  
Soil, gravelly; 2nd rate.  
No timber.  
Undergrowth, aspen saplings.  
Good grass for grazing.  
Mountainous land, or land covered with dense undergrowth,  
79.78 chs.  
October 29, 1903: At this cor. I set off 13° 14' S., on the  
decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on  
the mer. the resulting lat. is 39° 56' N., which is the proper  
lat. nearly.
- 
- N. 0° 3' W., bet. secs. 28 and 29.  
Over mountainous land.  
Desc.  
38.00 Bottom of canon, 400 ft. below sec.cor., course NE .

## Subdivision of T. 6 S.; R. 5 W.-Continued

Chs.	Asc.
40.00	Set a sandstone, 16x8x4 ins., 11 ins. in the ground, for 1/4 sec.cor.. mkd. $\frac{1}{4}$ on W. faces; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
50.00	Top of ridge, 50 ft. above hollow, bears NE and SW.  Desc.
58.00	Bottom of same canon, 80 ft. below ridge, course NW.  Asc.
63.00	Top of spur, 100 ft. above canon, bears E. and W.  There is a small spring about 2.0 chs. W. on point of spur.  Desc.
73.00	Bottom of same canon, 100 ft. below spur, course N. $30^{\circ}$ E.  Asc. through scattering timber, bears with canon.
80.00	Set a sandstone, 18x9x4 ins., 12 ins. in the ground, for cor. of secs. 20, 21, 28, and 29, mkd. with 2 notches on S. and 4 notches on E. edges; from which  A pinon pine, 8 ins. dia., bears N. $85^{\circ}$ E., 90 lks. dist.. mkd. T 6 S R 5 WS 21 B T.  An aspen, 3 ins. dia., bears S. $12^{\circ}$ E., 330 lks. dist.. mkd. T 6 S R 5 W S 28 B T.  A pinon pine, 18 ins. dia., bears S. $18^{\circ}$ W., 280 lks. dist.. mkd. T 6 S R 5 W S 29 B T.  A pinon pine, 4 ins. dia., bears N. $86^{\circ}$ W., 105 lks. dist.. mkd. T 6 S R 5 W S 20 B T.  Land, mountainous.  Soil, gravelly loam; 2nd rate.  Timber, aspen and pinon pine.  Good grass for grazing.  Mountainous land, 80.00 chs.
40.00	S. $89^{\circ} 52'$ E., on a random line bet. secs. 21 and 28. Set temp. $\frac{1}{4}$ sec.cor.

## Subdivision of T.6 S., R.5 W.-Continued.

Chs.

79.98 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 21, 22,  
27, and 28.

Thence I run.

N.  $89^{\circ} 49' W.$ , on a true line bet. secs. 21 and 28.

Over mountainous land; through dense undergrowth.

Asc.

20.00 Top of ridge, 50 ft. above sec. cor., bears N. and S.

Desc.

20.25 Enter heavy pine and cedar timber, bears N. and S.

35.00 Bottom of hollow, 500 ft. below ridge, course N.  $10^{\circ} W.$ .Leave timber, bears N.  $10^{\circ} W.$  and S.  $10^{\circ} E.$ 

Asc.

39.99 Set a sandstone, 20x10x4 ins., 15 ins. in the ground, for  
 $\frac{1}{2}$  sec. cor.. mkd.  $\frac{1}{2}$  on N. face; and raise a mound of stone,  
2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

49.70 Top of ridge, 400 ft. above canon, bears N. and S.

Desc.

77.25 Bottom of canon, 400 ft. below ridge, course N.  $30^{\circ} E.$ 

Asc.

79.98 The cor. of secs. 20, 21, 28, and 29.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush, service berry, and bull berry  
brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered  
with dense undergrowth, 79.98 chs.

October 29, 1903.

October 30, 1903: At 8 h 2 m a.m., l.m.t., I set off  $39^{\circ} 57'$   
N., on the lat. arc;  $13^{\circ} 29' S.$ , on the decl. arc; and determine

Subdivision of T 6 S .R 5 W -Continued

- Chs. a mer. with the solar, at the cor. of secs. 20, 21, 28, and 29.
- Thence I run  
N. 0° 3' W., bet. secs. 20 and 21.
- Over mountainous land; through scattering timber.
- Asc.
- 40.00 Top of ridge, 700 ft. above sec. cor., bears NE and SW.  
Set a sandstone, 18x16x4 ins., 12 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face; and raise a mound of stone,  
2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- Desc..
- 80.00 Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for  
cor. of secs. 16, 17, 20, and 21, mkd. with 3 notches on S. and  
4 notches on E. edges; and raise a mound of stone, 2 ft.  
base,  $1\frac{1}{2}$  ft. high, W. of cor.
- Land, mountainous.
- Soil, gravelly; 3rd rate..
- Timber, pinon pine and cedar.
- Good grass for grazing.
- Mountainous land, 80.00 chs.
- 
- S. 89° 49' E., on a random line bet. secs. 16 and 21.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.22 Intersect N. and S. line, 16 lks. S. of the cor. of secs.  
15, 16, 21, and 22.  
N. 89° 56' W., on a true line bet. secs. 16 and 21.
- Over mountainous land; through heavy timber.
- Desc..
- 11.00 Bottom of canon, 40 ft. below sec. cor., course N. 60° E.
- Asc.
- 14.00 Enter ledges, bears NE and SW.
- 40.11 Set a sandstone, 20x12x4 ins., 15 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face; from which

## Subdivision of T.6 S., R.5 W.-Continued.

- Chs.                    A pinon pine, 12 ins. dia., bears N. 10° E., 30 lks.  
                   dist. mkd.  $\frac{1}{4}$  S 16 B T.
- A pinon pine, 6 ins. dia., bears S. 34° W., 100 lks.  
                   dist. mkd.  $\frac{1}{4}$  S 21 B T.
- 40.50 Leave ledges, bears N. 20° E. and S. 20° W.
- 46.00 Leave timber, bears N. and S.
- 47.50 Top of ridge, 500 ft. above hollow, bears N. and S. 20° W.  
        Desc.
- 80.22 The cor. of secs. 16, 17, 20, and 21 (150 ft. below ridge)  
        Land, mountainous.  
        Soil, gravelly and rocky; 3rd and 4th rate.  
        Timber, pinon pine and cedar.  
        Good grass for grazing.  
        Mountainous or heavily timbered land, 80.22 chs.  
        October 30, 1903: At this cor. I set off 13° 34' S., on the  
        decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on  
        on the mer. the resulting lat. is 39° 58' N., which is the  
        proper lat. nearly.
- 
- N. 0° 3' W., bet. secs. 16 and 17.  
        Over mountainous land; through dense undergrowth.  
        Descend.
- 40.00 Set a sandstone, 18x13x4 ins. 12 ins. in the ground, for  
         $\frac{1}{4}$  sec. cor. mkd.  $\frac{1}{4}$  on W. face; and raise a mound of stone,  
        2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
        This cor. is 400 ft. below sec. cor. . .
- 43.00 Bottom of canon, 20 ft. below  $\frac{1}{4}$  sec. cor., course NE.  
        Enter heavy timber, bears NE and SW.  
        Asc.
- 61.00 Top of ridge, 400 ft. above hollow, bears NE and SW.  
        Desc.
- 80.00 Set a sandstone, 18x10x8 ins., 12 ins. in the ground, for  
        cor. of secs. 8, 9, 16, and 17, mkd. with 4 notches on S. and E.

Subdivision of T 6 S R 5 W -Continued

Chs. edges; from which

A red pine, 15 ins. dia., bears N. 69° E., 38 lks.

dist.. mkd. T 6 S R 5 W S 9 B T.

A red pine, 17 ins. dia., bears S. 32° E., 100 lks.

dist.. mkd. T 6 S R 5 W S 16 B T.

A pinon pine, 8 ins. dia., bears S. 52° W., 27 lks.

dist.. mkd. T 6 S R 5 W S 17 B T.

A red pine, 12 ins. dia., bears N. 57° W., 53 lks.

dist.. mkd. T 6 S R 5 W S 8 B T.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, pinon pine, and red pine.

Undergrowth, sage brush.

Mountainous or heavily timbered land, or land covered  
with dense undergrowth, 80.00 chs.

S. 89° 56' E., on a random line bet. secs. 9 and 16.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.80.22 Intersect N. and S. line, 5 lks. N. of the cor. of secs.  
9, 10, 15, and 16.

Thence I run

N. 89° 54' W., on a true line bet. secs. 9 and 16.

Over mountainous land; heavy timber.

Ascend along side of ridge.

40.11 Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face; from which

A pinon pine, 12 ins. dia., bears N. 60° E., 30 lks.

dist.. mkd.  $\frac{1}{4}$  S 9 B T.

A pinon pine, 20 ins. dia., bears S. 40° W., 55 lks.

dist.. mkd.  $\frac{1}{4}$  S 16 B T.

58.50 Top of ridge, 400 ft. above sec cor. bears NE and SW.

Desc.

## Subdivision of T.6 S., R.5 W.-Continued.

Chs.

80.22 The cor.of secs.8,9,16, and 17.

Land, mountainous.

Soil, gravelly; 3rd rate..

Timber, pinon pine and red pine and cedar.

Good grass for grazing.

Mountainous or heavily timbered land, 80.22 chs.

October 30, 1903.

October 31, 1903: At 8 h 0 m a.m., l.m.t., I set off 39° 59' N.,  
 on the lat.arc; 13° 48' S., on the decl.arc; and determine  
 a mer. with the solar, at the cor.of secs.8,9,16, and 17.

Thence I run

N.0° 3' W., bet. secs.8 and 9.

Over mountainous land.through heavy timber.

Asc.along side of ridge.

26.50 Top of ridge, 50 ft. above sec.cor., bears NW and SE.

Desc.

40.00 Set a sandstone, 18x13x15 ins , 12 ins.in the ground, for  
 $\frac{1}{4}$  sec.cor., mkd. $\frac{1}{4}$  on W.face; from which

A pinon pine, 8 ins.dia., bears N.27° E., 145 lks.

dist..mkd. $\frac{1}{4}$  S 9 B T.

A pinon pine, 6 ins.dia., bears S.83° W., 48 lks.

dist..mkd. $\frac{1}{4}$  S 8 B T.

58.25 Bottom of hollow, 400 ft.below ridge, course NW .

Asc.

61.00 Top of spur, 150 ft.above hollow,bears N.70° W.and S.70°  
 E.

Desc.

69.50 Enter ledges,bears NE and SW.

70.50 Bottom of hollow, 400 ft.below ridge, course N.80° W.

Asc.

75.00 Leave ledges,bears N.30° W.and S.30° E.

EAST RIDGE

40

Subdivision of T. 6 S., R. 5 E.-Continued.

chs.

70.00 Top of spur, 150 ft. above hollow, bears E. and W. Desc.

80.00 Set a limestone, 16x6x4 ins., 11 ins. in the ground, for cor. of secs. 4, 5, 8, and 9, mkd. with 5 notches, on S. and 4 notches on E. edges; from which

A pinon pine, 14 ins. dia., bears N. 70° E., 65 lks.

dist.. mkd. T 6 S R 5 W S 4 B T.

A pinon pine, 10 ins. dia., bears S. 20° E., 85 lks.

dist.. mkd. T 6 S R 5 W S 9 B T.

A pinon pine, 11 ins. dia., bears S. 74° W., 29 lks.

dist.. mkd. T 6 S R 5 W S 8 B T.

A pinon pine, 9 ins. dia., bears N. 34° W., 102 lks.

dist.. mkd. T 6 S R 5 W S 5 B T.

Land, mountainous.

Soil, gravelly and white clay and rocky; 3rd and 4th rate.

Timber, pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

---

S. 89° 54' E., on a random line bet. secs. 4 and 9.

40.00 Set temp.  $\pm$  sec. cor.

80.04 Intersect N. and S. line, 7 lks. N. of the cor. of secs.

3, 4, 9, and 10.

Thence I run

N. 89° 51' W., on a true line bet. secs. 4 and 9.

Over mountainous land; through heavy timber.

Desc. along side of hollow.

18.00 Bottom of hollow, 300 ft. below sec. cor., course N.

asc.

25.00 Top of ridge, 300 ft. above hollow, bears N. and S.

Desc.

30.25 Bottom of hollow, 250 ft. below ridge, course N.

Subdivision of T 6 S R 5 W -Continued

- Chs. Asc.
- 36.50 Top of ridge, 250 ft. above hollow, bears N. and S.
- Desc.
- 40.02 Set a sandstone, 14x10x5 ins., 9 ins. in the ground, for  
sec.cor., mkd. on N. face; from which  
A pinon pine, 8 ins. dia., bears N. 5° E., 30 lks.  
dist.. mkd. S. 4 B T.  
A cedar, 8 ins. dia., bears S. 10° W., 55 lks.  
dist.. mkd. S 9 B T.
- 51.75 Bottom of hollow, 350 ft. below ridge, course N. 15° W.
- Asc.
- 65.00 Top of ridge, 300 ft. above hollow, bears N. and S.
- Desc.
- 80.04 The cor. of secs. 4, 5, 8, and 9.  
Land, mountainous.  
Soil, gravelly and rocky; 3rd and 4th rate.  
Timber, cedar and pinon pine.  
Good grass for grazing.  
Mountainous or heavily timbered land, 80.04 chs.  
October 31, 1903. At the noon hour the sky is overcast  
and solar observations are impossible.
- 
- N. 0° 3' W., on a random line bet. secs. 4 and 5.
- 46.00 Set temp. 1 sec.cor.
- 80.00 Intersect North bdy. of Tp. 14 lks. N. 89° 58' W. of cor. of secs.  
4, 5, 32, and 33, heretofore described.  
Thence I run  
S. 0° 3' W., on a true line bet. secs. 4 and 5.  
Over mountainous land; through heavy timber.  
Desc. over ledges.
- 21.00 Leave ledges, bears N. 75° E. and S. 75° W.
- 24.00 Bottom of canon, 700 ft. below sec.cor., course N. 85° E.
- Asc.

Subdivision of T. 6 S., R. 5 W.-Continued.

Chs.	
31.00	Top of spur, 450 ft. above hollow, bears N.75°E. and S.75°W. Desc.
35.00	Leave timber, bears NE and SW.
40.00	Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for sec.cor., mkd. $\frac{1}{4}$ on W. face; und raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor.
41.00	Foot of descent, 450 ft. below spur, bears NE and SW. Enter bottom of Sower's Canon. Enter dense undergrowth, bears NE and SW.
43.00	Old road, bears NE and SW.
62.00	Leave canon bottom and begin steep ascent, bears N.40°E. and S.40°W. Leave undergrowth, bears N.40°E. and S.40°W.
67.00	Enter heavy timber, bears NE and SW.
80.00	The cor. of secs. 4, 5, 8, and 9. Land, mountainous. and level. Soil, gravelly loam and rocky; 2nd and 4th rate. Timber, pinon pine, red pine, and cedar. Undergrowth, sage brush, greasewoods, and willows. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

October 31, 1903.

November 1, 1903: At 8 h 2 m a.m. , l.m.t., I set off 39° 55'N., on the lat.arc; 14° 8'S., on the decl.arc; and determine a mer. with the solar, at the cor.of secs. 5, 6, 31, and 32, on S.bdy.of Tp., heretofore described.

Thence I run

N.0°3'W. bet. secs. 31 and 32.

Over mountainous land; through dense undergrowth.

Asc. gently.

## Subdivision of T. 6 S., R. 5 W. -Continued

Chs.

4.00 Top of ridge, 30 ft. above sec. cor., bears N. 70° W. and S. 70° E.

Desc.

10.00 Enter heavy aspen timber, bears E. and W.

15.00 Leave timber, bears E. and W..

35.00 Bottom of swale, 150 ft. below ridge, course W.

Asc.

40.00 Set a sandstone, 20x12x3 ins., 15 ins. in the ground, for  
sec. cor., mkd.  $\frac{1}{2}$  on W. face; and raise a mound of stone,  
2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

48.00 Top of ridge, 200 ft. above hollow, bears E. and W.

Desc.

80.00 Set a sandstone, 20x12x3 ins., 15 ins. in the ground, for  
cor. of secs. 29, 30, 31, and 32, mkd. with 1 notch on S. and 5  
notches on E. edges; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$   
ft. high, W. of cor.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, aspen.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered  
with dense undergrowth, 80.00 chs.

---

East, on a random line bet. secs. 29 and 32.

40.00 Set temp.  $\frac{1}{2}$  sec. cor.

80.04 Intersect N. and S. line, 23 lks. N. of the cor. of secs.  
28, 29, 32, and 33.

Thence 1 run

N. 89° 50' W., on a true line bet. secs. 29 and 32.

Over mountainous land.

Desc.

## Division of T 6 S .R 5 W -Continued

Chs.	
14.00	Bottom of hollow, 400 ft. below sec.cor., course N.10° W. Asc.
19.00	Enter heavy timber, bears N.20° W. and S.20° E. A small spring.bears N.about 2.50 chs. dist.
20.00	Top of ridge, 100 ft. above hollow, bearz N.10° W. and S.10° E. Desc.
21.00	Leave heavy and enter scattering timber,bears N. and S.
26.75	Bottom of hollow, 100 ft. below spur, course N.30° E. Leave timber and enter scattering sage brush,bears N.30° E.and S.30° W. Asc.
40.02	Set a sandstone, 16x8x4 ins., 11.ins.in the ground, for $\frac{1}{4}$ sec.cor..mkd. on N.face;and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high,N.or cor.
44.00	Top of spur, 500 ft. above hollow, bears N.40° E. and S.40° W. Desc.
56.00	Bottom of swale, 50 ft. below spur, course N.30° E. Desc.
73.00	Top of ridge, 100 ft. above swale, bears N.20° E. and S.20° W. Desc.
74.50	Enter heavy aspen timber,bears N. and S.
76.30	Leave timber,bears N. and S.
80.04	The cor.or secs.29,30,31, and 32. Land,mountainous. Soil,gravelly loam;2nd rate. Timber,pinen pine and cedar, and aspen. Undergrowth, sagebrush. Good grass for grazing. Mountainous or heavily timberedland,80.04 chs.
40.00	West, on a random line betsecs.30 and 31. Set temp. $\frac{1}{2}$ sec.cor.

## Subdivision of T.6.S., R.5.W.-Continued.

Chs.

78.58 Intersect W.bdy.or Tp., at the cor.of secs.25,30,31, and 36, heretofore described.

Thence I run

East, on a true line bet.secs.30 and 31.

Over mountainous land; through scattering timber.

Asc.

10.00 Leave timber, bears NE and SW.

16.00 Top of ridge, 300 ft. above sec.cor., bears N.40°W. and S. 40°E.

Desc.

22.50 Enter scattering aspen timber, bears N. and S.

23.50 Leave timber, bears N. and S.

29.00 Enter heavy aspen timber, bears N. and S.

35.00 Bottom of hollow, 500 ft. below ridge, course N.15°W.

Asc.

35.50 Leave timber, bears N.20°E. and S.20°W.

38.58 Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for  
sec.cor..mkd. $\frac{1}{4}$  on N.race; and raise a mound of stone,  
2 ft. base,  $1\frac{1}{2}$  ft. high, N.or cor..

44.50 Top of ridge, 250 ft. above hollow, bears N.30°W. and S.30°E.

Desc.

52.00 Enter heavy aspen timber, bears N.30°W. and S.30°E.

53.00 Bottom of hollow, 120 ft. below ridge, course NW.

Leave timber, bears NW and SE.

78.58 The cor.of secs.29,30,31, and 32..

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, aspen.

Good grass for grazing.

Mountainous or heavily timbered land, 78.58 chs.

November 1, 1903: At this cor. I set off  $14^{\circ}13'S.$ , on the  
decl.arc; and at 0 h 2 m p.m., l.m.t., I observe the sun  
on the mer. the resulting lat. is  $39^{\circ}56'N.$ , which is the  
proper lat. nearly.

Subdivision of T. 6 S., R. 5 W. -Continued

Chs.

N. 0° 3' W., bet. secs. 29 and 30.

Over mountainous land; through dense sage brush.

Desc. gently.

8.00 Begin steep descent, bears N. 70° E. and S. 70° W.

22.00 Enter heavy aspen timber, bears E. and W.

27.00 Bottom of hollow, 250 ft. below sec. cor., course W.

Asc.

28.00 Leave timber, bears E. and W.

40.00 Top of ridge, 250 ft. above hollow, bears E. and W.

Set a sandstone, 30x10x4 ins., 22 ins. in the ground, for  
sec. cor.. mkd.  $\frac{1}{2}$  on W. face; and raise a mound of stone,  
2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Desc.

60.00 Head of hollow, 160 ft. below ridge, course W.

Asc.

80.00 Top of ridge, 200 ft. above hollow, bears NW and SE.

Set a sandstone, 24x10x4 ins., 18 ins. in the ground,  
for cor. or secs. 19, 20, 29, and 30, mkd. with  $\frac{1}{2}$  notches  
on S. and 5 notches on E. edges; and raise a mound of  
stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, aspen.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered  
with dense undergrowth, 80.00 chs.

S. 89° 50' E., on a random line bet. secs 20. and 29.

40.00 Set temp.  $\frac{1}{2}$  sec. cor.

80.26 Intersect N. and S. line, 10 lks. N. of the cor. or secs.

## Subdivision of T 6 S. R 5 W -Continued

Chs. 20,21,28, and 29.

T Thence I run.

'N. $89^{\circ}46'W.$ , on a true line bet. secs. 20 and 29.

Over mountainous land; through heavy timber.

Asc.

15.00 Leave timber and enter dense undergrowth, bears N. and S.

30.00 Top of ridge, 700 ft. above sec. cor., bears N. $20^{\circ}E.$  and S.

$20^{\circ}W.$

Desc.

40.13 Set a sandstone,  $24 \times 10 \times 5$  ins., 18 ins. in the ground, for  
sec. cor.. mkd.  $\frac{1}{2}$  on N. face; and raise a mound of stone,  
2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

55.75 Bottom of hollow, 150 ft. below ridge, course N. $10^{\circ}W.$

Asc.

80.26 The cor. of secs. 19, 20, 29, and 30.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, pinon pine and cedar.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered  
with dense undergrowth, 80.26 chs.

November 1, 1903.

November 2, 1903: At 8 h 2 m a.m., l.m.t., I set off  $39^{\circ}57'N.$ ,  
on the lat. arc;  $14^{\circ}27'S.$ , on the decl. arc; and determine  
mer. with the solar, at the cor. of secs. 19, 20, 29, and 30.

Thence I run

West, on a random line bet. secs. 19 and 30.

40.00 Set temp.  $\frac{1}{2}$  sec. cor. . . .

78.60 Intersect W.bdy. of Tp., 5 lks. N. of the cor. of secs. 19, 24,  
25, and 30, heretofore distributed.

## Subdivision of T. 6 S. R. 5 W. -Continued

Chs.	Thence I run N. 89° 58' E., on a true line bet. secs. 19 and 30. Over mountainous land. Desc.
6.00	Bottom of hollow, 75 ft. below sec. cor., course N. 45° W. Asc. through scattering timber.
38.60	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for sec. cor., mkd. $\frac{1}{4}$ on N. face; from which A pinon pine, 33 ins. dia., bears N. 85° W., 85 lks. dist. mkd. $\frac{1}{4}$ S 19 B T. A pinon pine, 13 ins. dia., bears S. 20° E., 60 lks. dist. mkd. $\frac{1}{4}$ S 30 B T.
50.00	Top of ridge, 500 ft. above hollow, bears N. 50° E. and S. 50° W. Desc. along side-hill.
78.60	The cor. of secs. 19, 20, 29, and 30. Land, mountainous. Soil, gravelly; 3rd rate. Timber, pinon pine. Good grass for grazing. Mountainous land, 78.60 chs.
<hr/>	
	N. 0° 3' W., bet. secs. 19 and 20. Over mountainous land; through dense sage brush. Desc.
10.00	Head of hollow, 200 ft. below sec. cor., course W. Asc.
20.00	Ridge, 200 ft. above hollow, bears NW and SE. Desc.
40.00	Set a sandstone, 20x8x4 ins., 15 ins. in the ground, for sec. cor.. mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Subdivision of T. 6 S. R. 5 W. -Continued.

Chs.

55.00 Enter heavy timber, bears NE and SW. Leave undergrowth.  
80.00 Set a limestone, 20x12x5 ins. 15 ins. in the ground, for  
cor. of secs. 17, 18, 19, and 20, mkd. with 3 notches on S. and  
5 notches on E. edges; from which

A red pine, 16 ins. dia., bears N. 78° E., 150 lks.

dist. mkd. T 6 S R 5 W S 17 B T.

A pinon pine, 14 ins. dia., bears S. 73° E., 140  
lks. dist. mkd. T 6 S R 5 W S 20 B T.

A red pine, 10 ins. dia., bears S. 3° W., 140 lks.  
dist. mkd. T 6 S R 5 W S 19 B T.

A red pine, 12 ins. dia., bears N. 34° W., 60 lks.  
dist. mkd. T 6 S R 5 W S 18 B T.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, pinon pine and red pine.

Good grass for grazing

Undergrowth, sage brush.

Mountainous or heavily timbered land, or land covered  
with dense undergrowth, 80.00 chs.

---

S. 89° 46' E., on a random line bet. secs. 17 and 20.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.36 Intersect N. and S. line, 5 lks. N. of the cor. of secs.  
16, 17, 20, and 21.

Thence I run

N. 89° 44' W., on a true line bet. secs. 17 and 20.

Over mountainous land; through dense sage brush.

Desc.

15.00 Bottom of hollow, 40 ft. below sec. cor., course N.  
ASC.

35.00 Top of ridge, 50 ft. above hollow, bears N. 20° W. and S. 20°  
E.

Subdivision of T. 6 S., R. 5 W.-Continued

Chs.	Enter heavy timber, bears N. 20° W. and S. 20° E.
	Desc.
40.18	Set a sandstone, 16x8x5 ins., 11 ins. in the ground, for sec.cor.. mkd. $\frac{1}{4}$ . on N. face; from which A pinon pine, 14 ins. dia.. bears N. 40° E., 125 lks. dist.. mkd. $\frac{1}{4}$ S 17 B T. A pinon pine, 12 ins. dia.., bears S. 50° E., 75 lks. dist.. mkd. $\frac{1}{4}$ S 20 B T.
68.00	Bottom of canon, 400 ft. below ridge, course N. 60° W.
	Asc.
80.36	The cor.of secs $\frac{1}{2}$ 17, 18, 19, and 20.. Land; mountainous. Soil, gravelly; 3rd rate. Timber, pinon pine and red pine. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.36 chs. November 2, 1903: At this cor. I set off 14° 33' S., on the decl.arc; and at 0 h 2 m p.m.l.m.t., I observe the sun on the mer. the resulting lat. is 39° 58' N., which is the proper lat. nearly.
40.00	S. 89° 58' W., on a random line bet. secs. 18 and 19.
78.72	Set temp. $\frac{1}{4}$ sec.cor.
	Intersect W.bdy. of Tp., 9 lks. N. of the cor. of secs. 15, 18, 19, and 24, heretofore described. Thence I run N. 89° 54' E., on a true line bet. secs. 18 and 19. Over mountainous land.
	Asc.
3.00	Top of spur, 100 ft. above sec.cor., bears N. 20° E. and S. 20° W.

## Subdivision of T. 6 S. R. 5 W -Continued

Chs.	Desc.
6.00	Foot of descent, 60 ft, below spur, bears N. 5° W. and S. 5° E. Enter dense undergrowth and bottom of canon.
16.00	Leave canon and begin ascent, bears N. 15° W. and S. 15° E. Leave undergrowth, bears N. 15° W. and S. 15° E.
22.00	Enter ledges, bears N. 15° W. and S. 15° E.
27.00	Top of spur, 500 ft. above canon bottom, bears N. 15° W. and S. 15° E.
33.00	Leave ledges, bears with spur.  Desc.
33.00	Bottom of hollow, 60 ft. below spur, course N. 12° W. Asc. through heavy timber.
38.72	Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for sec. cor., mkd. $\frac{1}{2}$ on N. face; from which A pinon pine, 14 ins. dia., bears N. 3° W., 28 lks. dist., mkd. $\frac{1}{2}$ S 18 B T. A pinon pine, 8 ins. dia., bears S. 37° W., 65 lks. dist., mkd. $\frac{1}{2}$ S 19 B T.
49.00	Top of spur, 250 ft. above hollow, bears N. 15 ° W. and S. 15° E. Leave heavy and enter scattering timber.  Desc.
70.00	Bottom of hollow, 500 ft. below ridge, course N. 5° W. Asc.
72.00	Top of spur, 60 ft. above hollow, bears N. 5° W. and S. 5° E. Desc.
78.72	The cor. of secs. 17, 18, 19, and 20. Land, mountainous. Soil, gravelly; 5rd rate. Timber, cedar and pinon pine. Undergrowth, greasewoods and shadscales. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 78.72 chs.

Subdivision of 1.6 S., E. 5 W.-Continued.

Chs.	N.0°3'W., bet.secs.17 and 18. Over mountainous land; through scattering timber. Descend abruptly.
.7.00	Bottom of hollow, 200 ft. below sec.cor., course N.35°W. Ascend abruptly over ledges.
15.00	Enter heavy timber, bears NW and SE.
40.00	Set a sandstone, 18x10x6 ins., 12 ins. in the ground, cor of sec.cor.. mkd. $\frac{1}{2}$ on W. face; from which A pinon pine 12 ins. dia., bears N.14°E., 40 lks. dist.. mkd. $\frac{1}{2}$ S 17 B T. A pinon pine, 10 ins. dia., bears S.40°W., 60 lks. dist.. mkd. $\frac{1}{2}$ S 18 B T.
46.00	Top of ridge, 800 ft. above hollow, bears E. and W. Desc.
80.00	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, cor of secs. 7, 8, 17, and 18, mkd. with 4 notches on S. and 5 notches on E.edges; from which A pinon pine, 8 ins. dia., bears N.53°E., 40 lks. dist.. mkd. T 6 S R 5 W S 8 B T. A pinon pine, 10 ins. dia., bears S.32°E., 40 lks. dist.. mkd. T 6 S R 5 W S 17 B T. A pinon pine, 12 ins. dia., bears S.34°W., 60 lks. dist.. mkd. T 6 S R 5 W S 18 B T. A red pine, 12 ins. dia., bears N.30°W., 110 lks. dist.. mkd. T 6 S R 5 W S 7 B T.
	Land, mountainous.
	Soil, gravelly and rocky; 2nd and 4th rate.
	Timber, pinon pine and red pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.
	S.89°44'E., on a random line bet. secs. 8 and 17.
40.00	Set temp. $\frac{1}{2}$ sec.cor.
80.14	Intersect N. and S. line, 21 lks. S. of the cor.of secs.

## Subdivision of T 6 S R 5 W -Continued

- Chs. 8,9,16, and 17.  
 Thence I run  
 N.  $89^{\circ} 53' W.$ , on a true line bet. secs. 8 and 17.  
 Over mountainous land; through heavy timber.
- Desc.  
 10.00 Bottom of hollow, 300 ft. below sec. cor., course N.  
 Asc.  
 18.00 Top of spur, 500 ft. above hollow, bears N.  $20^{\circ} W.$  and S.  $20^{\circ} E.$   
 Desc.  
 35.75 Bottom of hollow, 400 ft. below spur, course N.  
 Asc.  
 40.07 Set a sandstone, 14x11x5 ins., 9 ins. in the ground, for  
 sec. cor.. mkd.  $\frac{1}{2}$  on N. face; from which  
 A pinon pine, 7 ins. dia., bears N.  $30^{\circ} E.$ , 39 lks.  
 dist.. mkd.  $\frac{1}{2}$  S 8 B T.  
 A pinon pine, 10 ins. dia., bears S.  $38^{\circ} W.$ , 53 lks.  
 dist.. mkd.  $\frac{1}{2}$  S 17 B T.  
 46.00 Top of spur, 400 ft. above hollow, bears N. and S.  
 Desc.  
 66.50 Bottom of hollow, 500 ft. below spur, course N.  $10^{\circ} W.$   
 Asc.  
 73.50 Top of spur, 200 ft. above hollow, bears N. and S.  
 Desc.  
 80.14 The cor. or secs. 7, 8, 17, and 18.  
 Land, mountainous.  
 Soil, gravelly and rocky; 5rd. and 4th rate.  
 Timber, pinon pine and red pine.  
 Good grass for grazing.  
 Mountainous or heavily timbered land, 80.14 chs.

November 2, 1903.

November 3, 1903: At 8 h 2 m a.m., l.m.t., I set off  $39^{\circ} 59'$

Subdivision or T. 6 S., R. 5 W. -Continued.

Chs.	N.on the lat.arc; $14^{\circ} 46' S.$ , on the decl.arc; and determine a mer.with the solar, at the cor.of secs. 7,8,17, and 18. Thence eft run  S. $89^{\circ} 54' W.$ , on a random line betsecs. 7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
78.60	Intersect W.bdy.of Tp. 25 lks.S.of the cor.of secs. 7,12,13, and 18, heretofore described.  Thence I. run  S. $89^{\circ} 56' E.$ , on a true line betsecs. 7 and 18.  Over mountainous land; through scattering timber.  Desc.abruptly.
25.00	Leave timber,bears N.and S.
28.00	Foot of descent,bears N. $70^{\circ} W.$ and S. $70^{\circ} E.$ Thence enter bottom of canon.  Enter dense undergrowth,bears N. $70^{\circ} W.$ and S. $70^{\circ} E.$
33.00	Wash, 2 lks.wide, $\frac{1}{2}$ ft.deep, course S. $70^{\circ} E.$
38.60	Set a sandstone, $\frac{1}{2}$ $4 \times 10 \times 4$ ins., 18 ins.in the ground, for $\frac{1}{2}$ sec.cor.. mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, $\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high, N.of cor.
50.50	Old road,in Sower's Canon,bears N. $40^{\circ} E.$ and S. $40^{\circ} W.$
62.50	Creek, $\frac{1}{2}$ lks; wide, 2 ins.deep, course N. $20^{\circ} E.$
69.00	Leave Sower's Canon,bears NE and SW.  Leave undergrowth and enter scattering timber,bears NE and SW.  Asc.
78.60	The cor.of secs. 7,8,17, and 18.  Land,mountainous.and level.  Soil,gravelly loam and white clay; 2nd and 3rd rate.  Timber,pinon pine and cedar.  Undergrowth,sage brush,greasewoods, and willows.  Good grass for grazing!  Mountainous land,or land covered with dense undergrowth, 78.60 chs.

## Subdivision of T 6 S P 5 W -Continued

Chs.	N.0°3'W., bet. secs. 7 and 8. Over mountainous land; through scattering timber. Desc.
3.00	Leave timber, bears NE and SW.
7.50	Foot of descent, 250 ft. below sec. cor., bears NE and SW. Enter bottom of Sower's Canon. Enter dense undergrowth, bears NE and SW.
27.00	Bash, 5 lks. wide, 2 ft. deep, course NE.
27.75	Old road, bears NE and SW.
29.00	Leave undergrowth, bears NE and SW. Leave canon bottom and begin ascent, bears NE and SW.
32.00	Enter scattering timber, bears NE and SW. Enter ledges, bears NE and SW.
40.00	Set a sandstone, 18x7x5 ins., 12 ins. in the ground, for sec. cor.. mkd. $\frac{1}{2}$ on W. face; from which A pinon pine, 8 ins. dia., bears N. 50° E., 50 lks. dist.. mkd. $\frac{1}{2}$ S 8 B T. A pinon pine, 5 ins. dia., bears S. 60° W., 40 lks. dist.. mkd. $\frac{1}{2}$ S 7 B T.
48.00	Top of spur, 600 ft. above canon, bears N. 70° W. and S. 70° E. Desc. Leave ledges, bears with spur.
59.00	Bottom of hollow, 150 ft. below ridge, course S. 75° E. Asc.
80.00	Set a sandstone, 24x12x5 ins., 18 ins. in the ground, for cor. or secs. 5, 6, 7, and 8, mkd. with 5 notches on S. and 5 notches on E. edges; from which A pinon pine, 12 ins. dia., bears N. 20° E., 200 lks. dist.. mkd. T 6 S R 5 W S 5 B T. A pinon pine, 13 ins. dia., bears S. 74° E., 105 lks. dist.. mkd. T 6 S R 5 W S 8 B T. A pinon pine, 6 ins. dia., bears S. 34° W., 85 lks. lks. dist.. mkd. T 6 S R 5 W S 7 B T. A cedar, 4 ins. dia., bears N. 30° W., 30 lks. dist.. mkd. T 6 S R 5 W S 6 B T.

Subdivision of T. 6. S., R. 5. W., -Continued

- Chs. Land mountainous and level.  
Soil, gravelly and rocky; 2nd and 4th rate.  
Timber, pinon pine and cedar.  
Undergrowth, willows and rabbit brush.  
A very little grass .  
Mountainous land, or land covered with dense undergrowth,  
80.00 chs.
- 
- S. 89° 53' E., on a random line bet. secs. 5 and 8.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.96 Intersect N. and S. line. 14 lks. S. of the cor. or secs.  
4, 5, 8, and 9.  
Thence I run  
N. 89° 59' W., on a true line bet. secs. 5 and 8.  
Over mountainous land; through heavy timber.  
Desc.  
7.75 Leave timber, bears N. 30° E. and S. 30° W.  
8.50 Foot of descent, 300 ft. below sec. cor., bears N. 20° E. and S.  
20° W.  
Enter bottom of Sower's Canon.  
Enter dense undergrowth, bears N. 20° E. and S. 20° W.  
17.50 Creek, 1 lk. wide, 2 ins. deep, course NE .  
19.00 Old road, bears N. 35° E. and S. 35° W.  
20.00 Leave canon bottom and begin steep ascent, bears N. 35° E.  
and S. 35° W.  
Enter scattering timber, bears NE and SW.  
39.98 Set a sandstone, 15x11x4 ins., 10 ins. in the ground,  $\frac{1}{4}$  sec. cor.. mkd.  $\frac{1}{4}$  on N. face; from which  
A pinon pine, 5 ins. dia., bears N. 47° E., 16 lks.  
dist.. mkd.  $\frac{1}{4}$  S 5 B T.  
A pinon pine, 9 ins. dia., bears S. 5° W., 150 lks.  
dist.. mkd.  $\frac{1}{4}$  S 8 B T.

## Subdivision of T 6 S., R 5 W.-Continued.

- Chs. Enter heavy timber,bears NE and SW.
- 79.96 The cor.of secs.5,6,7, and 8.  
Land, mountainous and level.  
Soil, gravelly and clay loam and rocky; 2nd and 4th rate.  
Timber, pinon pine and cedar and red pine.  
Undergrowth, greasewoods, current bushes, rosebushes, and willows.  
A little grass.  
Mountainous or heavily timbered land, or land covered with dense undergrowth, 79.96 chs.  
November 3, 1905: At the noon hour the sky is overcast and solar observations are impossible.
- N. 89° 56' W., on a random line bet. secs. 6 and 7.
- 40.00 Set temp.  $\pm$  sec.cor.
- 78.40 Intersect W.bdy.or Tp., 16 lks. N. of the cor.or secs. 1,6,7, and 12, heretofore described.  
Thence I run  
N. 89° 57' E., on a true line bet. secs. 6 and 7.  
Over mountainous land; through dense sage brush.  
Asc.
- 36.00 Leave undergrowth and enter heavy timber, bears N. and S.
- 38.40 Set a sandstone, 18x16x4 ins., 12 ins. in the ground, for  $\frac{1}{2}$ -sec.cor., mkd.  $\pm$  on N. face; from which  
A pinon pine, 7 ins. dia., bears N. 26° E., 40 lks.  
dist.. mkd.  $\pm$  S 6 B T.  
A pinon pine, 9 ins. dia., bears S. 33° W., 35 lks.  
dist.. mkd.  $\pm$  S 7 B T.
- 43.50 Top of ridge, 100 ft. above sec.cor., bears N. 85° E. and S. 85° W.  
Desc.along side hill.
- 78.40 The cor.of secs.5,6,7, and 8...

## Subdivision of T. 6 S., R. 5 W.--Continued.

Chs.	Land, mountainous. Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 78.40 chs.
	N.0°3'W., on a random line bet. secs. 5 and 6.
40.00	Set temp. $\pm$ sec. cor.
80.02	Intersect N. bdy. or Tp., 16 lks. E. 89° 58' E., off the cor. of secs. 5, 6, 31, and 32, heretofore described. S.0°10'E., on a true line bet. secs. 5 and 6. Over mountainous land; through heavy timber. Desc.
2.00	Bottom of hollow, 30 ft. below sec. cor., course S. 80° E.
	Asc.
7.50	Top of spur, 300 ft. above hollow, bears N. 75° W. and S. 75° E. Desc.
22.50	Bottom of hollow, 500 ft. below spur, course N. 75° E. Leave timber, bears N. 75° E. and S. 75° W. Asc.
34.00	Enter heavy timber, bears E. and W.
35.50	Top of ridge, 450 ft. above hollow, bears N. 85° E. and S. 85° W., Desc.
40.02	Set a sandstone, <del>12x12x12</del> , 18x14x4 ins., 12 ins. in the ground, for a sec. cor., mka. $\pm$ on W. face; from which A pinon pine, 15 ins. dia., bears N. 45° E., 92 lks. dist. mka. $\pm$ S 5 B T. A pinon pine, 6 ins. dia., bears S. 45° W., 55 lks. dist. mka. $\pm$ S 6 B T.

## Subdivision of T.6 S., R.6 W.-Continued.

Chs.	
55.00	Bottom of hollow, 450 ft. below ridge, course S.85° E. Asc.
75.00	Top of ridge, 500 ft. above hollow, bears N.80° E. and S.80° W. Desc.
80.02	The cor. of secs. 5, 6, 7, and 8. Land, mountainous. Soil, gravelly; 5rd rate. Timber, pinon pine and red pine and cottonwood. Good grass for grazing. Mountainous or heavily timbered land, 80.02 chs.

November 3, 1905.

---

#### General Description.

This township is rough and mountainous. In the southeast the slopes are somewhat gradual, but in the northwest they are abrupt and in some places precipitous, along the sides of Sower's Canon.

The soil ranges from gravelly and clay loam; 2nd rate to rocky; 4th rate.

The timber is mainly scattering, but there is some good red pine and pinon pine.

The undergrowth is sage brush, except in the canon bottoms where willows, rose bushes and greasewoods grow in dense patches.

The township is well watered for grazing purposes, by the small springs on the hill sides and the creek in Sower's Canon, which sinks and rises repeatedly. There are no settlers in the township.

There is no mineral in the township.

The luxuriant grass which covers most of the surface

Subdivision of T 6 S R 5 W -Concluded  
makes it a valuable range for livestock.

*John N. Stewart*  
U.S. Deputy Surveyor.

November 3, 1903.

**Volume**

**#**

**R0308**

## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of \_\_\_\_\_

showing the respective capacities in which they acted:

\_\_\_\_\_, Chainman.

For final affidavits see book "K" T.5 S.R.5 W.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, in surveying all those parts or portions of the \_\_\_\_\_

of the \_\_\_\_\_

\_\_\_\_\_ meridian, \_\_\_\_\_ of \_\_\_\_\_, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for \_\_\_\_\_

For final affidavits see book "K" T.5 S.R.5 W.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..... United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... bearing date of the United States Surveyor General for ..... day of ..... 190 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ..... the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of ..... For final affidavits see book "K" T.5 S.R.5 W. .... of the ..... meridian, in the ..... which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said ..... and sworn to before me }  
this ..... day of ..... 190 }

SEAL  
of the  
United States  
Surveyor General

## APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 18, 1904

The foregoing field notes of the survey of ..... the subdivision of Township No. 6 South, Range No. 5 West of the Uintah Special Base and meridian, Utah.

executed by ..... John R. Stewart and Andy J. Stewart  
under their contract No. 271, dated July 22, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Edward H. Ruder*  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in ..... has been correctly copied from the original notes on file in this office.

United States Surveyor General.

**BLANK**

**PAGE**

---

**BLANK**

**PAGE**

**FILED**

JUN 10 1904

K. F. R.  
owls

BOOK A-308

J.  
**FIELD NOTES**

OF THE SURVEY OF THE

WEST BOUNDARY

of

Township No. 5 South, Range No. 5 West,

of the UINTA SPECIAL ROAD Meridian,

STATE OF UTAH

AS SURVEYED BY

John R. Stewart and Andy J. Stewart, United States Deputy Surveyor,

Under their Contract No. 271, dated July 22, 1903. #40.

Survey commenced November 5, 1903. #40xx

Survey completed November 6, 1903. #40xx

begin 5-79-98  
closing 13-90

NAMES AND DUTIES OF ASSISTANTS.

Alma Peterson, Chairman.

Angus M. Woodbury, Chairman.

Omero Merriotti, Moundman.

John E. Clark Asst. Chairman.

Storm F. Peterson Asst. Chairman.

Jesse R. Peterson, Flagman.

For preliminary affidavits see Book "F": T.S.S., R.H.W.

6-151

Volume

#

R0308

BOOK A-308

INDEX DIAGRAM.

*Township* \_\_\_\_\_, *Range* \_\_\_\_\_

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

*Meanders Page* \_\_\_\_\_

## PRELIMINARY OATHS OF ASSISTANTS.

WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_



WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_



WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_



I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_



17

Test boundary of T.5 S., R.5 W.- Continued.

Obs. the solar, by a cross on the stone already set, 5.00 obs.  
N. of the cor.; this mark falls 0.41 ins. east of the mer.  
established by Pol. obsn.;

The solar apparatus by p.m. and a.m. observations defines  
positions for meridians respectively about  $0^{\circ}20'$  west and  
 $0^{\circ}22'$  east of the mer. established by Pol. obsn.; therefore  
I conclude that the adjustments of the instrument are  
satisfactory.

The magnetic bearing of the mer. at 8 h 2 m a.m., is N.  $16^{\circ}34'$   
W.; the mer. thus determined gives the mag. decl.  $13^{\circ} 34' E.$

From the cor. of Tps. 5 and 6 S., Rs. 5 and 6 W., heretofore  
described I run

North, bet. secr. 31 and 36.

Over mountainous land; through scattering timber.  
Asc.

10.00 Top of ridge, 150 ft. above Tp. cor., bears NE and SW.  
Desc.

40.00 Set a sandstone, 16x10x5 ins., 11 ins. in the ground, for  
cor. of sec. cor., mkd. on N. face; from which

A pinon pine, 5 ins. dia., bears S.  $65^{\circ} E.$ , 120 lks.  
dist. mkd. at 31 B T.

A piney pine, 8 ins. dia., bears S.  $11^{\circ} 30' W.$ , 275  
lks. dist. mkd. at 36 B T.

70.00 Enter heavy red pine cedar and pinon pine timber, bears  
E. and W.

80.00 Set a sandstone, 16x14x4 ins., 11 ins. in the ground, for  
cor. of sec. 25, 30, 31, and 36, mkd. with 5 notches on N. and 1  
notch on S. edges; from which

A red pine, 6 ins. dia., bears N.  $75^{\circ} E.$ , 34 lks.  
dist. mkd. T 5 S 1 5 W 6 30 B T.

A red pine, 10 ins. dia., bears S.  $41^{\circ} 30' E.$ , 44 lks.

5w. 179

## West boundary of T.5 S., R.5 W.-Mo

Chs. Survey commenced November 5, 1903, and executed with a Young and Sons light mountain transit, No. 7382, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the mer. at Salt Lake City, found correct, and was approved by the surveyor general, for Utah, on August 21, 1903.

I examine the adjustments of the instrument and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours with a mer. established by observations on Pol. I proceed as follows:

At the cor. of Tps. 5 and 6 S., Rcs. 5 and 6 W., latitude  $40^{\circ} 00' 15''$  N., longitude  $116^{\circ} 32' 45''$  W., I set off  $40^{\circ} 00' 00''$ , or the lat. arc;  $15^{\circ} 30' 00''$ , or the decl. arc; and at 4 h. 1 m. 15 s., l.m.t., I determine a mer. with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

November 5, 1903.

November 6, 1903: At 4 h. 23 m. a.m., l.m.t., I obs. sol. at western elong. in accordance with the manual, and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs. N. of the cor.

At 6 h. 55 m. a.m., l.m.t., I lay off the azimuth of Pol. 1  $34.8'$  to the east, and mark the mer. thus determined by cutting a small groove in the stone already set, 5.00 chs. N. of cor.; this mark falls 0.39 inc. east of the mark determined with the solar.

At 6 h. 12 m. a.m., l.m.t., I set off  $40^{\circ} 00' 00''$ , on the lat. arc;  $15^{\circ} 42' 00''$ , on the decl. arc; and mark the mer. determined with

West boundary of T.5 S., R.5 W.-Continued.

chs.	lks.dist..mkd.T 5 S 1 5 W S 31 B T. A red pine, 14 ins. dia., bears S. 53° W., 60 lks. dist..mkd.T 5 S 1 6 T S 36 B T. A red pine, 6 ins. dia., bears N. 63° W., 21 lks. dist..mkd.T 5 S R 6 T S 25 B T.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, pine and cedar.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.

---

North, bet. secos. 25 and 30.

Over mountainous land; through heavy timber.

Desc.

5.00	Leave timber, bears N.E. and S.W.
6.00	Bottom of branch of Lower's canon, 200 ft. below sec.cor., course N. 50° E., steeply.
11.00	Begin abrupt ascent, bears N. 50° E. and S. 50° W. Enter ledges, bears N. 50° E. and S. 50° W. Enter cutting timber, bears N. 50° E. and S. 50° W.
25.00	Top of divide ridge bet. branch of Lower's canon and Cottonwood canon, 400 ft. above canon, bears N. 50° E. and S. 50° W.
	Desc.
40.00	Sect. sandstone, 22x14x4 ins., 16 ins. in the ground, for sec.cor.. mkd. on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
48.00	Bottom of hollow, 300 ft. below ridge, course N. 60° E. acc.
56.00	Top of spur, 100 ft. above hollow, bears N. 60° W. and S. 60° E.
	Desc.

West boundary of T.5 S. R.5 W.-Continued.

Chrs.	
60.00	Leave timber,bears E. and W.
72.25	Bottom of Cottonwood Canon,300 ft. below spur, course NE. Enter dense sage brush,bears NW and SW.
	Desc.
80.00	Set a sandstone,22x6x5 ins.,16 ins.in the ground,for cor.of secs.19,24,25, and 30,mkd.wit' 4 notches on N.and 2 notches on S.,edges;and raise a mound of stone,2 ft. base,1 $\frac{1}{2}$ ft.high,W.of cor.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,pinon pine,red pine, and cedar.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth, 80.00 chrs.

---

North,bet.secs.19 and 24.

Over mountainous land;through dense undergrowth.

Desc.

3.50	Enter heavy cedar and pinon pine timber,bears E. and W.
13.00	Top of ridge,400 ft.above sec.cor.,bears NW and SW.
	Desc.
19.60	Bottom of hollow,200 ft.below ridge,course E.
	Desc.
25.00	Top of ridge,300 ft.above hollow,bears E. and S.
	Desc.
28.75	Bottom of hollow,250 ft.below ridge,course E.
	Desc.
37.00	Top of divide ridge bet.Cottonwood Canon and left hand fork of Indian Canon,400 ft.above hollow,bears NE. and SW.
	Desc.

West boundary of T.5 S. R.5 L.-Continued.

Chrs.

- 40.00 Set a sandstone, 14x11x4 ins., 9 ins. in the ground, for  
a sec.cor..mkd. on W. face; from which  
 a cedar, 4 ins. dia., bears S.50° E., 80 lks.  
dist..mkd.  $\frac{1}{2}$  S 19 E T.  
 a pinon pine, 15 ins. dia., bears N.30° W., 170 lks.  
dist..mkd.  $\frac{1}{2}$  S 24 E T.
- 80.00 Point 300 ft. below ridge.  
 Set a sandstone, 20x12x4 ins., 15 ins. in the ground, for  
cor.of secs. 13,18,19, and 24, mdkd. with 3 notches on N., and  
S.edges; from which  
 a red pine, 5 ins. dia., bears N.63° E., 14 lks.  
dist..mkd. T 5 S R 5 . S 16 E T.  
 a pinon pine, 15 ins. dia., bears S.43° E., 29 lks.  
dist..mkd. T 5 S R 5 . S 19 E T.  
 a red pine, 4 ins. dia., bears S.49° W., 73 lks.  
dist..mkd. T 5 S R 6 W S 24 E T.  
 a pinon pine, 10 ins. dia., bears N.37° W., 22 lks.  
dist..mkd. T 5 S R 6 W S 13 E T.

Land, mountainous.

Soil, gravelly and white clay; 3rd rate.

Timber, pinon pine, red pine, and cedar.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered  
with dense undergrowth, 80.00 chrs.

November 6, 1903: at this cor.l set off 15° 47' 5", on the  
decl.arc; and at 6 h 2 m p.m., l.m.t., I observe the sun on  
the mer. the resulting lat. is 40° 5' 11", which is  
the proper lat. nearly.

---

North, bet. secr. 13 and 18.

Over mountainous land; through heavy timber.

Dense.

West boundary of T. 5 S. R. 5 W. -Continued.

chrs.	
.25	Bottom of hollow, 10 ft below sec.cor., course b. Asc.
8.00	Top of ridge, 150 ft above hollow, bears E and N. Desc.
40.00	Set a sandstone, 18x16x4 ins., 12 ins. in the ground, for sec.cor. mkd. on N. face; from which  A red pine, 5 ins. dia., bears N. 77° E., 45 lks. dist..mkd. & 18 B T.  A red pine, 5 ins. dia., bears N. 74° W., 53 lks. dist..mkd. & 13 B T.
48.00	Bottom of canon, 600 ft. below ridge, course i. Asc.
78.00	Top of ridge, 600 ft. above canon, bears N. 70° W. and S. 70° E. Desc.
80.00	Set a sandstone, 20x12x5 ins., 15 ins. in the ground, for cor.of secs. 7, 12, 13, and 18, mkd. with 2 notches on N. end 4 notches on S. edge; from which  A pinon pine, 5 ins. dia., bears N. 26° E., 45 lks. dist..mkd. T 5 S R 5 I C 7 B T.  A pinon pine, 6 ins. dia., bears S. 49° L., 10 lks. dist..mkd. T 5 S R 5 I C 18 B T.  A pinon pine, 6 ins. dia., bears S. 10° W., 38 lks. dist..mkd. T 5 S R 6 W C 13 B T.  A pinon pine, 8 ins. dia., bears N. 45° W., 50 lks. dist..mkd. T 5 S R 6 W C 12 B T. Land, mountainous : Soil, gravelly and white clay; 3rd rate. Timber, pinon pine, red pine, and cedar. Good grass for grazing. 4 : mountainous or heavily timbered land, 80.00 chrs.

North, bet. secs. 7 and 12.

West boundary of T.5 L.5 -Continued.

- Obs. Over mountainous land; through heavy timber.  
Desc.  
22.00 Bottom of hollow, 300 ft below sec.cor., course N.30° W.  
acc.  
38.00 Top of spur, 150 ft above hollow, bears NE and SW.  
Desc.  
40.00 Set a sandstone, 22x10x3 ins., 16 ins. in the ground, for  
sec.cor.. mkd. # on W. face; from which  
A pinon pine, 6 ins. dia., bears S.85° E., 53 lks.  
dist.. mkd. # 3 7 B T.  
A pinon pine, 14 ins. dia., bears S.45° W., 22 lks.  
dist.. mkd. # 5 1? B T.  
44.00 Bottom of hollow, 200 ft below ridge, course N.  
acc.  
70.00 Top of ridge, 500 ft above hollow, bears E. and S.  
Desc.  
80.00 Set a limestone, 18x9x3 ins., 12 ins. in the ground, for  
cor.of secs. 1, 6, 7, and 12, mkd. with 1 notch on N. and 5  
notches on S. edge; from which  
A pinon pine, 4 ins. dia., bears N.79° E., 42  
lks. ist.. mkd. T 5 S R 5 : S 6 B T.  
A pinon pine, 5 ins. dia., bears S.60° E., 26 lks.  
dist.. mkd. T 5 S R 5 : S 7 B T.  
A pinon pine, 4 ins. dia., bears S.74° W., 17 lks.  
dist.. mkd. T 5 S R 6 : S 12 B T.  
A pinon pine, 6 ins. dia., bears N.64° W., 40 lks.  
dist.. mkd. T 5 S R 6 : S 1 B T.  
Land, mountainous.  
Soil, gravelly and white clay; 3rd rate.  
Timber, pinon pine, red pine, and cedar.  
Good grass for grazing.  
Mountainous or heavily timbered land, 80.00 obs.

North, bet. secs. 1 and 6.

West boundary of T.5 S., R.5 W.-Continued.

Obs.	Over mountainous land; through heavy timber.
	Desc.
1.25	Bottom of hollow, 25 ft. below sec. cor., course N.
	asc.
19.00	Top of ridge, 200 ft. above hollow, bears N. and W.
	Desc.
34.00	Bottom of hollow, 550 ft. below ridge, course N.
	asc.
40.00	Set a sandstone, 18x14x4 ins., 12 ins. in the ground, for sec. cor. wkd. ± on N. face; from which a pine pipe, 12 ins. dia., bears S. 81° E., 60 ft. dist. wkd. ± 6 ft.
	A pine pipe, 10 ins. dia., bears N. 59° W., 55 ft. dist. wkd. ± 1 ft.
43.00	Top of spur, 400 ft. above hollow, bears N. and W.
	Desc.
50.30	Top of perpendicular cliff, 100 ft. h. h., bears E. and N. Leave timber and enter scattering undergrowth, bears E. and W.
59.60	Foot of descent, 600 ft. below spur, bears N. and SW. Enter bottom of Indian canon.
	Enter dense under growth, bears NE and NW.
63.85	Wash, 10 lds. wide, 3 ft. deep, course NE.
73.10	Colton-Vernal road, bears N. 10° E. and SW.
79.28	Intersect 1st Standard Parallel. outl., 13.50 ch. dist. of the standard cor. of Tps. 4 S., R. 5 and 6 W., which is a sandstone, 6x12.4 ins. above ground, firmly set, no wkd. and withdrawn as described by Geologists Stewart and Booth. Set a limestone, 4x18x7 ins., 18 ins. in the ground, for closing cor. of Tps. 5 S., R. 5 and 6 W., mid. C C 5 S on S., 5 on N., and 6 W on N. faces; with 6 grooves on N., W., and S. faces; and raise a mound of stone, 2 ft. base, 1 ft. high, S. of cor.
	Land, mountainous and level.

## BOUNDARY OF T. 5 S. R. 5 W. - Continued.

chs.	Soil, gravelly; 3rd rate. Timber, pinon pine and cedar. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 70.26 chs.
------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

November 6, 1903.

## BOUNDARIES OF T. 5 S. R. 5 W. -

Latitudes, Departures, and closing errors.

Line designated	True bearing	distance chs.	Latitudes		Departures	
			N.	S.	E.	W.
E. bdy. T. 5 S. R. 5 W.	North	470.26	470.26			
1st Standard Par. S	East	477.50			477.50	
1st Ridge Mer. W.	South	480.00		480.00		
S. bdy. T. 5 S. R. 5 W.	W. 80° 58' N	478.00	.03			478.00
Convergence					.61	
Total Jr.			470.31	480.00	478.11	478.00
Error in Jr.					479.31	478.00
Error in dep.						.63
						.11

## GENERAL DESCRIPTION.

This township is mountainous, well timbered containing some water. It should be subdivided.

John R. Stewart  
U.S. Deputy Surveyor.

November 6, 1903.

**BLANK**

**PAGE**

## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by John R. Stewart, United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of Land Edge T. 5 S. R. 4 W.; S. and E. Edge T. 6 S. R. 4 W.; S. W. and N. Edge T. 6 S. R. 5 W.; and W. Edge T. 5 S. R. 5 W.  
of the United Special Base and Meridian, U.S.A.

showing the respective capacities in which they acted:

<u>Alma Peterson</u>	<u>, Chainman.</u>
<u>Cirrus M. Woodbury</u>	<u>, Chainman.</u>
<u>Omer Merritt</u>	<u>, Moundman.</u>
<u>Gilbert Thacker</u>	<u>, Moundman.</u>
<u>John E. Clark</u>	<u>, Axman.</u>
<u>Eorus T. Peterson</u>	<u>, Axman.</u>
<u>Jesse R. Peterson</u>	<u>, Flagman.</u>

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John R. Stewart, United States Deputy Surveyor, in surveying all

those parts or portions of the Land Edge T. 5 S. R. 4 W.; Land Edge T. 6 S. R. 4 W.;  
Land Edge T. 6 S. R. 5 W.; and W. Edge T. 5 S. R. 5 W.

..... of the United  
Special Base and ..... meridian, in the State ..... of U.S.A. ..... which are represented  
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey  
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the  
corner monuments established, according to the instructions furnished by the United States Surveyor  
General for U.S.A.:

<u>Alma Peterson</u>	<u>, Chainman.</u>
<u>Cirrus M. Woodbury</u>	<u>, Chainman.</u>
<u>Omer Merritt</u>	<u>, Moundman.</u>
<u>Gilbert Thacker</u>	<u>, Moundman.</u>
<u>John E. Clark</u>	<u>, Axman.</u>
<u>Eorus T. Peterson</u>	<u>, Axman.</u>
<u>Jesse R. Peterson</u>	<u>, Flagman.</u>

Subscribed and sworn to before me this 24  
day of Nov, 1905



John R. Stewart  
U. S. Deputy Surveyor

**FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.**

*John R. Stewart*

United States Deputy Surveyor, etc.

solemnly swear that, in pursuance of a contract received from *Edward H. Anderson*,  
United States Surveyor General for *Utah*, bearing date of the  
22 day of *July 1903*, I have well, faithfully, and truly, in my own  
proper person, and in strict conformity with the instructions furnished by the United States Surveyor  
General for *Utah*, the Manual of Surveying Instructions, and the laws of the  
United States, surveyed all those parts or portions of *S. and E. Edge T. 5 N. R. 5 W.; and*  
*Edge T. 6 S. R. 4 N.; S. W. and N. Edge T. 6 S. R. 5 W.; and Wherry T. 5 S.*  
*R. 5 W. of*

of the *Uintah Special*  
*Line*, and *meridian*, in the *State* of *Utah*, which are represented in the  
Surveying field notes as having been surveyed by me, and under my direction; and I do further solemnly  
swear that all the corners of said survey have been established and perpetuated in strict accordance with  
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor  
General for *Utah*, and in the specific manner described in the field notes, and that  
the Surveying are the original field notes of such survey; and should any fraud be detected, I will suffer  
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1848.

*John R. Stewart*

United States Deputy Surveyor.

Subscribed by *John R. Stewart*, and sworn to before me  
this *8th* day of *August*, 1904.

000000  
000000

*Edward H. Anderson*  
U.S. Surveyor-General  
for *Utah*

**APPROVAL.**

**OFFICE OF THE UNITED STATES SURVEYOR GENERAL.**

*Salt Lake City, Utah, October 18, 1904.*

The foregoing field notes of the survey of *Two Boundary of Township No. 5 South*  
*Range No. 5 East, of the Uintah Special Base and Meridian, Utah.*

executed by *John R. Stewart* and *Andy J. Stewart*  
under his contract No. *271*, dated *July 23, 1903*, 1903, having been  
extremely exacting, and the necessary corrections and explanations made, the said field notes, and the  
survey they describe, are hereby approved.

*Edward H. Anderson*

United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in *T. 5 S.*  
*R. 5 E., U.S.B. and M. Utah*, has been exactly copied from the original notes on file in this office.

*Edward H. Anderson*

United States Surveyor General.

**BLANK**

**PAGE**

**BLANK**

**PAGE**

W.A.  
K.F.B.

BOOK A-308

K.

## FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 5 South, Range No. 5 West,

Of the UIMTAH SPECIAL BASE AND Meridian,

, STATE OF UTAH.

AS SURVEYED BY

John R. Stewart and Andy J. Stewart, United States Deputy Surveyors

Under their Contract No. 271, dated July 22, 1903., 189X

Survey commenced November 7, 1903., 189X

Survey completed November 23, 1903., 189X

6-161

59-66-12  
50-65-1

NAMES AND DUTIES OF ASSISTANTS.

Alma Peterson ..... Chairman  
Angus M. Woodbury ..... Chairman  
Omero Meriotti ..... Moundman  
Gilbert Maesar ..... Moundman  
John E. Clark ..... Axman  
Sorn F. Peterson ..... Axman  
Jesse R. Peterson ..... Flagman

For preliminary affidavits see book 19, Tp. 5 S., R. 4 W.

6-151

Volume

#

R0308

BOOK A-308

INDEX DIAGRAM.

*Township 5 South, Range 5 West,*

6	72	5	54	4	40	3	27	2	14	1
71		70		55		40		26		13
7	69	8	51	9	38	10	25	11	12	12
68		67		50		37		24		10
18	65	17	49	10	35	15	23	14	9	13
64		63		48		34		21		8
19	62	20	46	21	32	22	20	23	6	24
61		59		45		31		19		5
30	53	20	44	28	30	27	18	26	4	25
57		56		45		29		16		3
31	55	32	42	33	28	34	15	35	2	36

*Meanders Page*

**PRELIMINARY OATHS OF ASSISTANTS.**

WE, ..... and .....  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., *Chainman.*

....., *Chainman.*

Subscribed and sworn to before me this ..... }  
day of ..... , 189 }



WE, ..... and .....  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., *Moundman.*

....., *Moundman.*

Subscribed and sworn to before me this ..... }  
day of ..... , 189 }



WE, ..... and .....  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., *Axman.*

....., *Axman.*

Subscribed and sworn to before me this ..... }  
day of ..... , 189 }



I, ..... , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of .....

....., *Flagman.*

Subscribed and sworn to before me this ..... }  
day of ..... , 189 }



BOOK A-500

Subdivision of T.5 S., R.5 T.-

Survey commenced November 7, 1903, and executed with a Young and Sons, light mountain transit, No. 7582, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on August 21, 1903.

I examine the adjustments of the instrument, and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a meridian established by observation on Polaris, I proceed as follows:

At the cor. of secs. 1, 2, 35, and 36, on S. bdy. of Tp., latitude  $40^{\circ}00'15''N.$ , longitude  $110^{\circ}27'08''W.$ , I set off  $40^{\circ}00'N.$ , on the lat. arc;  $16^{\circ}6'S.$ , on the decl. arc; and at 4 h 0 m p.m., l.m.t., I determine a meridian, with the solar, and mark a point thereof on a stone, firmly set in the ground, 5.00 chs. N. of the cor.

November 7, 1903.

---

November 8, 1903: At 4 h 16 m a.m., l.m.t., I observe Polaris at western elongation, in accordance with the Manual, and mark a point in the line thus determined on a peg driven in the ground, 5.00 chs. N. of the cor.

At 7 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris  $1^{\circ}34.8'$  to the west, and mark a point in the meridian thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.26 ins. east of the meridian established by the solar.

## Subdivision of T.5 S., R.5 W.-Continued.

Chains

At 8 h 3 m a.m., l.m.t., I set off  $40^{\circ}00'N.$ , on the lat. arc;  $16^{\circ}18'S.$ , on the decl. arc; and mark the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor. ; this mark falls  $0.32''$  east of the meridian established by Polaris observation.

The solar apparatus by p.m., and a.m. observations defines positions for meridians respectively about  $0'14''$  west and  $0'17''$  east of the meridian established by Polaris observation; therefore I concluded that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian, at 8 h 30 m a.m., l.m.t., is  $N.16^{\circ}33'W.$ , the angle thus determined gives the mag. decl.  $16^{\circ}33'E.$

$N.0^{\circ}1'W.$ , bet. secs. 35 and 36.

Over mountainous land; through heavy timber.

Ascend .

2.50 Top of ridge, 25 ft. above sec. cor., bears  $N.60^{\circ}E.$  and  $S.60^{\circ}W.$ .

Descend .

16.50 Bottom of hollow, 100 ft. below ridge, course  $N.60^{\circ}E.$

Ascend .

22.50 Top of ridge, 100 ft. above hollow, bears NE and SW.

Descend .

40.00 Set a sandstone,  $18 \times 13 \times 6$  ins., 12 ins. in the ground, for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which

A cedar, 5 ins. diam., bears  $N.67^{\circ}E.$ , 55 lks.

dist., marked  $\frac{1}{4} S 36 B.T.$

A pinon pine, 8 ins. diam., bears  $S.47^{\circ}W.$ , 40 lks.

dist. marked  $\frac{1}{2} S 35 B.T.$

## Subdivision of T 6 S .R.5 W -Continued.

Chains

80.00 Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for cor. of secs. 25, 26, 35, and 36, marked with 1 notch on S., and E.edges; from which

A cedar, 6 ins. diam., bears N. 86° E., 64 lks.

dist., marked T 5 SR 5 W S 25 B T.

A pinon pine, 7 ins. diam., bears S. 42° E., 49 lks.

dist., marked T 5 SR 5 W S 36 B T.

A pinon pine, 7 ins. diam., bears S. 18° W., 70 lks.

dist., marked T 5 S R 5 W S 35 B T.

A cedar, 9 ins. diam., bears N. 50° W., 54 lks.

dist., marked T 5 S R 5 W S 26 B T.

Land, mountainous.

Soil, sandy loam and gravelly; 2nd and 3rd rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous and heavily timbered land, 80.00 chs.

S. 89° 58' E., on a random line bet. secs. 25 and 36.

40.00 Set temp.  $\frac{1}{2}$  sec.cor.

79.90 Intersect 1st Guide Meridian West, 9 lks. S. of the cor. of secs. 25, 30, 31, and 36, heretofore described.

Thence I run

S. 89° 58' W., on a true line bet. secs. 25 and 36.

Over mountainous land; through heavy timber.

Ascend.

30.00 Top of ridge, 250 ft. above sec.cor., bears N. 85° E. and S. 85° W..

Descend.

39.95 Set a sandstone, 20x12x4 ins., 15 ins. in the ground, for  $\frac{1}{2}$  sec.cor., marked  $\frac{1}{2}$  on N. face; from which

A pinon pine, 8 ins. diam., bears N. 35° E., 72 lks.

dist., marked  $\frac{1}{2}$  S 25 B T.

Subdivision of T. 5 S R. 5 W -Continued.

Chains	A pinon pine, 6 ins. diam., bears S. 30° W., 38 lks. dist., marked $\frac{1}{4}$ S 36 B T.
75.00	Bottom of hollow, 200 ft. below ridge, course N. 60° W. Ascend .
79.90	The cor. of secs. 25, 26, 35, and 36. Land, mountainous. Soil, clay loam and gravelly; 2nd and 3rd rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 79.90 chs. November 8, 1903 At this cor. I set off 16° 23' S., on the decl. arc; and at 0 h 3 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40° 1' N., which is the proper lat. nearly.
4.50	N. 0° 1' W., bet. secs. 25 and 26. Over mountainous land; through heavy timber . Descend .
9.00	Bottom of hollow, 75 ft. below sec. cor., course NW . Ascend .
17.00	Point of spur, 100 ft. above hollow, bears E. and W. Descend .
27.50	Bottom of hollow, 120 ft. below spur, course N. 75° W. Ascend .
40.00	Top of spur, 20 ft. above hollow, bears NW and SE. Descend . Set a sandstone, 16x11x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which A pinon pine, 10 ins. diam., bears N. 59° E., 60 lks. dist., marked $\frac{1}{4}$ S 25 B T. A pinon pine, 8 ins. diam., bears S. 68° W., 55 lks. dist., marked $\frac{1}{4}$ S 26 B T.

Subdivision of T 5 S .R 5 W -Continued

Chains	
40.50	Bottom of hollow, 200 ft. below spur, course N. 70° W. Ascend .
47.60	Top of spur, 200 ft. above hollow, bears NW and SE. Descend .
62.50	Bottom of hollow, 250 ft. below spur, course N. 60° W. Ascend .
68.00	Top of spur, 200 ft. above hollow, bears NW and SE. Descend .
80.00	Set a sandstone, 18x11x3 ins., 12 ins. in the ground, for cor. of secs. 23, 24, 25, and 26, marked with 2 notches on S. and 1 notch on E.edges; from which  A pinon pine, 9 ins. diam., bears N. 41° E., 80 lks. dist., marked T 5 S R 5 W S 24 B T.  A pinon pine, 4 ins. diam., bears S. 70° E., 50 lks. dist., marked T 5 S R 5 W S 25 B T.  A cedar, 10 ins. diam., bears S. 21° W., 26 lks. dist., marked T 5 SR 5 WS 26 B T.  A cedar, 10 ins. diam. bears N. 59° W., 30 lks. dist., marked T 5 S R 5 W S 23 B T.  Land, mountainous.  Soil, gravelly and rocky; 3rd and 4th rate.  Timber, cedar and pinon pine.  Mountainous or heavily timbered land, 80.00 chs.

---

N. 89° 58' E., on a random line bet. secs. 24 and 25.

40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.86	Intersect 1st Guide Meridian West, 5 lks. S. of the cor. of secs. 19, 24, 25, and 30, heretofore described. Thence I run  S. 89° 56' W., on a true line bet. secs. 24 and 25. Over mountainous land; through heavy timber.

Subdivision of T.5 S R.5 W.-Continued

Chains	Descend .
6.00	Bottom of hollow, 100 ft. below sec.cor., course NE .
	Ascend .
16.00	Top of ridge, 150 ft. above hollow, bears N.20° E. and S.20° W.
	Descend .
27.00	Bottom of hollow, 350 ft. below ridge, course NW .
	Ascend .
39.93	Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for. $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face; from which
	A pinon pine, 6 ins. diam., bears N.25° W., 67 lks. dist., marked $\frac{1}{4}$ S 24 B T.
	A pinon pine, 16 ins. diam., bears S.30° E., 47 lks. dist., marked $\frac{1}{4}$ S 25 B T.
40.50	Top of ridge, 400 ft. above hollow, bears NW and SE.
	Descend .
49.00	Bottom of hollow, 300 ft. below ridge, course N.40° W.
	Ascend .
70.00	Top of spur, 200 ft. above hollow, bears N.20° W. and S.20° E.
	Descend .
74.00	Bottom of hollow, 150 ft. below spur, course N.
	Ascend .
79.86	The cor.of secs.23,24,25, and 26.
	Land, mountainous .
	Soil, gravelly; 3rd rate.
	Timber. cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 79.86 chs.

November 8, 1903.

---

November 9, 1903: At 8<sup>1</sup> h 2 m a.m., l.m.t., I set off 40° 02'  
 N., on the lat.arc; 16° 35' S., on the decl.arc; and determine  
 a meridian, with the solar, at the cor.of secs.23,24,25, and

Subdivision of T.5 S. R.5 W.-Continued.

Chains	26.
	Thence I run
	N. $0^{\circ} 1' W.$ , bet. secs. 23 and 24.
	Overmountainous land; through heavy timber.
	Descend .
32.00	Leave timber, bears E. and W.
34.00	Foot of descent, 150 ft. below sec.cor., bears E. and W.
	Enter dense undergrowth, bears E. and W.
	Enter bottom of Sower's Canon.
40.00	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for sec.cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	From this cor. the top of a round white knoll 40 ft. high, bears E. 60 lks. dist.
42.50	Wash, 75 lks. wide, 25 ft. deep, course NE .
46.50	Old road, bears NE and SW.
49.50	Leave canon bottom, bears NE and SW.
	Leave undergrowth and enter scattering timber, bears NE and SW.
62.50	Top of spur, 300 ft. above canon, bears E. and W.
	Descend .
71.00	Bottom of hollow, 200 ft. below spur, course E.
	Ascend .
80.00	Set a sandstone, 18x13x5 ins., 12 ins. in the ground, for cor. of secs. 13, 14, 23, and 24, marked with 3 notches on S. and 1 notch on E. edges; from which,
	A pinon pine, 8 ins. diam., bears N. $23^{\circ}$ E., 175 lks. dist., marked T 5 S R 5 W S 13 B T.
	A pinon pine, 3 ins. diam., bears S. $61^{\circ}$ E., 150 lks. dist., marked T 5 S R 5 W S 24 B T.
	A pinon pine, 3 ins. diam., bears S. $23^{\circ}$ W., 240 lks. dist., marked T 5 S R 5 W S 25 B T.
	A pinon pine, 4 ins. diam., bears N. $7^{\circ}$ W., 80 lks. dist., marked T 5 S R 5 W S 14 B T.

Subdivision of T 5 S R 5 W -Continued

Chains	Land, mountainous and level. Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. Undergrowth, greasewood and sage brush. A very little grass. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
	N. 89° 56' E., on a random line bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect 1st Guide Meridian West, 14 lks. S. of the cor. of secs. 13, 18, 19, and 24. heretofore described. Thence 1 run \ S. 89° 50' W., on a true line bet. secs. 13 and 24. Over mountainous land; through scattering timber. Descend
39.90	Set a sandstone 24x12x4 ins., 18 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face; from which A pinon pine, 6 ins. diam., bears N. 25° E., 50 lks. dist., marked $\frac{1}{2}$ S 15 B T. A pinon pine, 4 ins. diam., bears S., 40 lks. dist., marked $\frac{1}{2}$ S 24 B T.
47.50	Foot of descent, 300 ft. below sec. cor., bears N. 30° E. and S. 30° W. Enter bottom of Sower's Canon. Leave timber and enter dense undergrowth, bears N. 30° E. and S. 30° W.
54.00	Wash, 100 lks. wide, 25 ft. deep, course N. 30° E.
57.00	Old road, bears N. 30° E. and S. 30° W.
58.50	Leave canon bottom, and begin ascent, bears N. 30° E. and S. 30° W.

Subdivision of T 5 S. R.5 W -Continued.

- Chains Leave undergrowth and enter scattering timber,bears N.30° E. and S.30° W.
- 79.80 The cor.of secs.13,14,23, and 24.  
Land,mountainous and level.  
Soil,gravelly;3rd rate.  
Timber,cedar and pinon pine.  
Undergrowth,sage brush and greasewood.  
Good grass for grazing.  
Mountainous land,or land covered with dense undergrowth,79.80 chs.
- November 9,1903:At this cor.I set Off 16° 40'S.,on the decl.arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40° 03'N.,which is the proper lat.nearly.
- 
- N.0° 1'W.,betsecs.13 and 14.  
Over mountainous land;through scattering timber.  
Ascend .
- 2.00 Enter heavy timber,bears E.and W.
- 13.00 Top of spur;100 ft.above sec.cor.,bears E.and W.  
Descend .
- 32.75 Leave heavy and enter scattering timber,bears N.60° E.and S.60° W.  
Begin abrupt descent,bears N.60° E.and S.60° W.
- 38.00 Foot of descent,350 ft.below spur;bears N.60° E.and S.60° W.  
Enter bottom of canon,(branch of Sower's Canon, ).  
Leave timber and enter dense undergrowth,bears N.60° E. and S.60° W.
- 40.00 Set a sandstone,18x12x4 ins.,12 ins.in the ground,for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;and raise a mound of stone,2 ft.base, $1\frac{1}{2}$  ft.high,W.of cor.

Subdivision of T.5 S., R.5 W.-Continued.

Chains	
42.00	Wash, 30 lks. wide, 10 ft. deep, course N. 60° E..
44.00	Old road, bears N. 60° E. and S. 60° W..
45.00	Foot of perpendicular shale ledge, 30 ft. high, bears E. and W. Leave undergrowth, bears E. and W. Leave canon bottom, bears N. 60° E. and S. 60° W. Ascend through scattering timber..
75.00	Top of spur, 350 ft. above canon, bears NW and SE. Descend .
80.00	Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for cor. of secs. 11, 12, 13, and 14, marked with 4 notches on S. and 1 notch on E. edges; from which  A pinon pine, 8 ins. diam., bears N. 37° E., 75 lks. dist. marked T 5 S R 5 W S 12 B T. A pinon pine, 12 ins. diam., bears S. 41° L., 115 lks. dist., marked T 5 SR 5 W S 13 B T. A pinon pine, 6 ins. diam., bears S. 23° W., 92 lks. dist., marked T 5 SR 5 W S 14 B T. A pinon pine, 10 ins. diam., bears N. 87° W., 53 lks. dist., marked T 5 SR 5 W S 11 B T. Land, mountainous and level. Soil, gravelly and stony; 3rd and 4th rate. Timber, cedar and pinon pine. Undergrowth, sage brush and greasewood. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
40.00	N. 89° 50' E., on a random line bet. secs. 12 and 13. Set temp. $\pm$ sec. cor. )
79.72	Intersect 1st Guide Meridian West, 3 lks. S. of the cor. of secs. 7, 12, 13, and 18, heretofore described.

Subdivision of T 5 S R 5 W -Continued

Chains	Thence I run ( S.89°49'W., on a true line bet. secs. 12 and 13. Over mountainous land; through scattering timber. Descend .
6.00	Foot of descent, 75 ft. below sec. cor., bears NE and SW. Enter bottom of Sower's Canon, .
	Leave timber and enter dense undergrowth, bears NE and SW.
13.50	Wash, 100 lks. wide, 25 ft. deep, course N.30°E. A stream of good water is in bottom of wash, 3 lks. wide 3 ins. deep.
17.00	Old road, bears N.30°E. and S.30°W.
21.00	Leave canon bottom, and begin ascent, bears N.30°E. and S. 30°W. Leave undergrowth and enter scattering timber, bears N.30° E. and S.30°W.
39.86	Set a sandstone, , 18x10x7 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which A pinon pine, 14 ins. diam., bears N.15°W., 60 lks. dist., marked $\frac{1}{4}$ S 12 B T. A pinon pine, 3 ins. diam., bears S.22°E., 80 lks. dist., marked $\frac{1}{4}$ S 13 B T.
69.00	Top of spur, 350 ft. above canon, bears NW and SE. Descend .
75.00	Bottom of hollow, 150 ft. below spur, course SE. Ascend through heavy timber.
79.72	The cor of secs. 11, 12, 13, and 14. Land, mountainous and level. Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. Undergrowth, sage brush and greasewood. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 79.72 chs.

November 9, 1903.

Subdivision of T 5 S. R 5 W -Continued

Chains

November 10, 1903: At 8 h 3 m a.m., l.m.t., I set off 40° 04' N., on the lat.arc;  $16^{\circ} 53' S.$ , on the decl.arc; and determine a meridian with the solar, at the cor.of secs. 11, 12, 13, and 14.

Thence I run

N. 0° 1' W., bet. secs. 11. and 12.

Over mountainous land; through heavy timber.

Descend .

3.00 Bottom of hollow, 30 ft. below sec.cor., course SE.

Ascend .

11.00 Top of spur, 150 ft. above hollow, bears N. 60° W. and S. 60° E.

Descend .

16.50 Bottom of hollow, 75 ft. below spur, course E.

Ascend .

17.00 Leave heavy and enter scattering timber, bears NW and SE.

32.00 Top of ridge, 30 ft. above hollow, bears NE and SW.

Descend .

40.00 Set a sandstone, 15x11x3 ins., 11 ins. in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W. face; from which

A pinon pine, 12 ins. diam., bears S. 75° E., 33 lks.  
dist., marked  $\frac{1}{4}$  S 12 B T.

A pinon pine, 11 ins. diam., bears S. 82° W., 34  
lks. dist., marked  $\frac{1}{2}$  S 11 B T.

62.00 Leave timber, bears NE and SW.

69.00 Cottonwood Canon, 200 ft. below ridge, course N. 60° E.

Ascend .

75.00 Enter scattering timber, bears NE and SW.

80.00 Top of spur, 40 ft. above canon, bears N. 85° E. and S. 85° W.

Set a sandstone, 12x9x5 ins., 8 ins. in the ground, for cor.of secs. 1, 2, 11, and 12, marked with 5 notches on S. and 1 notch on E.edges; from which

A pinon pine, 4 ins. diam., bears N. 66° E., 90

Subdivision of T 5 S .R 5 W -Continued

Chains	<p>lks.dist.,marked T 5 S R 5 W S 1 B T.</p> <p>A pinon pine,12 ins.diam.,bears S.75° E.,37</p> <p>lks.dist.,marked T 5 S F 5 W S 12 B T.</p> <p>A pinon pine,13 ins.diam.,bears S.28° W.,85</p> <p>lks.dist.,marked T 5 SR5 W S11 B T.</p> <p>A pinon pine,7 ins.diam.,bears N.74° W.,27</p> <p>lks.dist.,marked T 5 S R 5 W S2 B T.</p>
	<p>Land,mountainous.</p> <p>Soil,sandy loam and gravelly;2nd and 3rd rate.</p> <p>Timber,cedar and pinon pine.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land,80.00 chs.</p>

	<p>N.89° 49'E.,on a random line bet.secs.1 and 12.</p>
40.00	<p>Set temp.<math>\frac{1}{2}</math> sec.cor.</p>
79.78	<p>Intersect 1st Guide Meridian West,21 lks.N.of the cor. of secs.1,6,7, and 12,heretofore described.</p> <p>Thence I run</p> <p>S.89° 58'W.,on a true line bet.secs.1 and 12.</p> <p>Over mountainous land;through scattering timber and scattering undergrowth.</p> <p>Descend</p>
39.89	<p>Set a sandstone,18x12x4 ins.,12 ins.in the ground,for <math>\frac{1}{2}</math> sec.cor.,marked <math>\frac{1}{2}</math> on N.face;from which,</p> <p>A pinon pine,4 ins.diam.,bears N.70° E.,60</p> <p>lks.dist.,marked <math>\frac{1}{2}</math> S 1.B T.</p> <p>A pinon pine,10 ins.diam.,bears S.60° W.,30 lks.dist.,marked <math>\frac{1}{2}</math> S 12 B T.</p>
59.30	<p>Bottom of Cottonwood Canon,200 ft.below sec.cor.,course N.60° E.</p> <p>Ascend</p>
79.78	<p>The cor.of secs.1,2,11, and 12.</p> <p>Land,mountainous.</p>

Subdivision of T 5 S .R 5 W -Continued

Chains	Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. Undergrowth, sage brush. Good grass for grazing. Mountainous land, 79.78 chs.
	November 10, 1903: At this cor. I set off 16° 58' S., on the decl. arc; and at 6 : 2 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40° 05' N. which is the proper lat. nearly.
	<hr/>
	N. 0° 1' W., on a true line bet. secs. 1 and 2. Over mountainous land; through heavy timber. Descend.
2.75	Bottom of hollow, 15 ft. below sec. cor., course N. 85° E. Ascend;
31.00	Top of spur, 60 ft. above hollow, bears N. 70° E. and S. 70° W. Descend.
35.00	Leave heavy and enter scattering timber and scattering undergrowth, bears E. and W.
39.00	Bottom of hollow, 60 ft. below spur, course N. 60° E. Ascend.
40.00	Set a sandstone, 18x8x7 ins., 12 ins. in the ground, for sec. cor., marked $\frac{1}{4}$ on E. face; from which: A cedar, 8 ins. diam., bears N. 50° E., 335 lks. dist., marked $\frac{1}{2}$ S 1-B T. A cedar, 6 ins. diam., bears N. 80° W., 250 lks. dist. marked $\frac{1}{2}$ S 2-B T.
45.00	Top of ridge, 100 ft. above hollow, bears N. 70° E. and S. 70° W. Descend.
51.80	Bottom of hollow, 100 ft. below ridge, course N. 50° E. Ascend.
59.81	Intersect 1st Standard Parallel South, 9.83 chs. East of the standard cor. of secs. 35 and 36, which is a sandstone,

Subdivision of T 5 S R 5 W -Continued

Chains 5x10x4 ins., above ground, firmly set, and marked and witnessed as described by Deputies Stewart and Booth.  
 Set a sandstone, 18x13x5 ins., 12 ins. in the ground, for closing cor. of secs. 1 and 2., marked C C on S., with 1 groove on E. and 5 grooves on W. faces; from which  
     A pinon pine, 8 ins. diam., bears S. 50° E., 52 lks. dist., marked T 5 S R 5 W S 1 B T.  
     A pinon pine, 8 ins. diam., bears S. 14° W., 82 lks. dist., marked T 5 S R 5 W S 2 B T.  
 Land, mountainous.  
 Soil, gravelly; 3rd rate.  
 Timber, cedar and pinon pine.  
 Undergrowth, sage brush and shadscales.  
 Good grass for grazing.  
 Mountainous or heavily timbered land, 78.81 chs.

November 10, 1903.

---

November 11, 1903: At 8 h 3 m a.m., l.m.t., I set off 40° 00' N., on the lat. arc; 17° 10' S., on the decl. arc; and determine a meridian, with the solar, at the cor. of secs. 2, 3, 34, and 35, on S. bdy. of Tp., heretofore described.

Thence I run

N. 0° 2' W., bet. secs. 34 and 35.

Over mountainous land; through heavy timber.

Ascend along side hill.

31.00 Top. of spur, 100 ft. above sec. cor., bears N. 30° E. and S. 30° W.

Descend.

35.00 Bottom of hollow, 100 ft. below spur, course N. 40° E.

Ascend.

40.00 Set a sandstone, 20x12x4 ins., 15 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which

Subdivision of T 5 S. R 5 W -Continued.

- Chains                    A pinon pine, 10 ins. diam., bears N. 80° E., 30 lks. dist., marked  $\frac{1}{4}$  S 35 B T.
- A pinon pine, 10 ins. diam., bears N. 85° W., 35 lks. dist., marked  $\frac{1}{4}$  S 34 B T.
- 49.00 Top of ridge, 100 ft. above hollow, bears N. 15° E., and S. 15° W.
- Descend .
- 80.00 Set a sandstone, 14x14x6 ins., 9 ins. in the ground, for cor. of secs. 26, 27, 34, and 35, marked with 1 notch on S. and 2 notches on E. edges; from which .
- A cedar, 10 ins. diam., bears N. 40° E., 65 lks. dist., marked T 5 S R 5 W S 26 B T.
- A pinon pine, 14 ins. diam., bears S. 35° E., 60 lks. dist., marked T 5 S R 5 W S 35 B T.
- A pinon pine, 8 ins. diam., bears S. 80° W., 80 lks. dist., marked T 5 S R 5 W S 34 B T.
- A cedar 8 ins. diam., bears N. 70° W., 70 lks. dist. marked T 5 S R 5 W S 27 B T.
- Land, mountainous.
- Soil, gravelly; 3rd rate.
- Timber, cedar and pinon pine.
- Good grass for grazing.
- Mountainous or heavily timbered land, 80.00 chs.
- 
- S. 89° 58' E., on a random line bet. secs. 26 and 35.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.10 Intersect N. and S. line, at the cor. of secs. 25, 26, 35, and 36.
- Thence I run
- N. 89° 58' W., on a true line bet. secs. 26 and 35.
- Over mountainous land; through heavy timber.
- Ascend .

## Subdivision of T.5 S. R.5 W -Continued

Chains	
5.00	Top of spur, 60 ft. above sec.cor., bears N.20°W. and S.20°E. Descend .
10.50	Bottom of hollow, 400 ft. below spur, course N.20°W. Ascend .
26.00	Top of spur, 80 ft. above hollow, bears N. and S. Descend .
32.00	Bottom of hollow, 150 ft. below spur, course N. Ascend .
40.05	Set a sandstone, 18x16x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; from which A pinon pine, 4 ins. diam., bears N.8°E., 45 lks. dist., marked $\frac{1}{4}$ S 26 B.T. A pinon pine, 8 ins. diam., bears S.13°W., 27 lks. dist., marked $\frac{1}{4}$ S 35 B.T.
41.00	Top of spur, 200 ft. above hollow, bears N.20°E. and S.20° W. Descend .
61.00	Bottom of hollow, 600 ft. below spur, course N.10°W. Ascend .
72.00	Top of spur, 600 ft. above hollow, bears N.10°W. and S.10° E. Descend .
80.10	The cor.of secs.26,27,34, and 35. Land, mountainous. Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.10 chs. November 11, 1903: At this cor.I set off 17°14'S., on the decl.arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40°01'N. which is the proper lat.nearly.

## Subdivision of T.A.S. S. 15. S. 1.-Continued

Glenline

- K.C. 21%, bet. secs. 26 and 27.
- Over mountainous land; through heavy timber. Descend gradually.
- 26.00 Begin abrupt descent, bears N. 60° E. and S. 60° E.
- 36.00 Leave timber, bears N. 60° E. and S. 60° E.
- 40.00 Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for sec. cor., marked  $\frac{1}{2}$  on E. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, E. of cor.
- 45.50 Foot of descent, enter Sower's Canon, 350 ft. below sec. cor., bears N. 60° E. and S. 60° W.
- Enter dense undergrowth, bears N. 60° E. and S. 60° W.
- 47.50 Wash, 30 ltrs. wide, 10 ft. deep, course N. 45° E.
- 50.10 Old road, bears NE and SW.
- 50.60 Leave canon and begin ascent, bears E. and W.
- Leave undergrowth and enter scattering timber, bears E. and W.
- 70.00 Top of spur, 150 ft. above canon, bears N. 40° W. and S. 40° E.
- Descend .
- 75.00 Bottom of hollow, 75 ft. below spur, course S. 40° E.
- Ascend .
- 80.00 Set a sandstone, 20x14x12 ins., 15 ins. in the ground, for cor. of sec. 22, 23, 26, and 27, marked with 2 notches on S., and E. edges; from which
- A pinon pine, 10 ins. diam., bears N. 40° E., 120 ltrs. dist., marked T 5 S 5 R 5 S 23 B T.
  - A pinon pine, 13 ins. diam., bears S. 30° E., 60 ltrs. dist., marked T 5 S R 5 S 26 B T.
  - A pinon pine, 11 ins. diam., bears S. 30° W., 45 ltrs. dist., marked T 5 C R 5 W S 27 B T.
  - A pinon pine, 10 ins. diam., bears N. 00° E., 75 ltrs. dist., marked T 5 S R 5 W S 22 B T.
- Land, mountainous and level.
- Soil, gravelly; 3rd rate.
- Timber, cedar and pinon pine.

Subdivision of T.5 S., R.5 W.-Continued.

Chains	Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
	S.89° 58' E., on a random line bet. secs. 23 and 26.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.94	Intersect N. and S. line, 14 lks. N. of the cor. of secs. 23, 24, 25, and 26.
	Thence I run
	N.89° 52' W., on a true line bet. secs. 23 and 26.
	Over mountainous land; through heavy timber.
	Ascend .
10.00	Top of ridge, 100 ft. above sec. cor., bears N.20° W., and S.20° E.
	Descend .
22.50	Bottom of hollow, 250 ft. below ridge, course N.20° W.
	Ascend .
26.00	Top of ridge, 200 ft. above hollow, bears N.20° W. and S.20° E.
	Descend .
34.50	Foot of descent, 400 ft. below ridge, bears N.20° E. and S.20° W.
	Leave timber and enter dense undergrowth, bears N.20° E. and S.20° W.
	Enter bottom of Sower's Canon.
39.97	Set a sandstone, 18x15x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
46.00	Wash, 60 lks. wide, 20 ft. deep, course N.20° E.
48.00	Old road, bears N.20° E. and S.20° W.
48.50	Leave canon bottom and begin abrupt ascent, bears N.20° E. and S.20° W..

Subdivision of T 5 S .R 5 W -Continued

Chains	Leave undergrowth ,bears N.20°E.and S.20°W.
58.00	Enter heavy timber,bears NE and SW.
79.94	The cor.of secs.22,23,26, and 27. Land,mountainous and level. Soil,gravelly ;3rd rate. Timber,cedar and pinon pine. Undergrowth,greasewood and sage brush. Good grass for grazing. Mountainous or heavily timbered land,or land covered w/with dense undergrowth,79.94 chs.

November 11,1903.

---

November 12,1903:At 8 h 3 m a.m., l.m.t .,I set off 40°  
02'N.,on the lat.arc;17° 26'S ,on the decl.arc;and determine a meridian,with the solar,at the cor.of secs.22,23,  
26, and 27.

Thence I run

N.0° 2'W.,betsecs.22 and 23.

Over mountainous land;through heavy timber.

Ascend .

16.00 Top of ridge,200 ft.above sec.cor.,bears N.80°E.and S.80°W.

Descend .

40.00 Set a sandstone,16x10x5 ins.,12 ins.in the ground,for  
sec.cor.,marked  $\frac{1}{2}$  on W.face;from which

A pinon pine,13 ins.diam.,bears N.76°E.,66

lks.dist.,marked  $\frac{1}{2}$  S 23 B T.

A pin n pine,10 ins.diam.,bears N.67°W.,67

lks.dist.,marked  $\frac{1}{2}$  C 22 B T.

45.50 Foot of descent,566 ft.below ridge,bears N E and S W .

Leave timber and enter dense undergrowth,bears NE and SW.

Enter bottom of branch of Cower's Canon.

## Subdivision of T 5 S R 5 W -Continued

Chains

- 55.10 Wash, 25 lks. wide, 10 ft. deep, course NE.
- 57.75 Road, bears NE and SW.
- 59.75 Leave canon and begin ascent, bears NE and SW.  
Leave undergrowth and enter scattering timber, bears NE and SW.
- 66.00 Top of spur, 300 ft. above canon, bears E. and W.  
Descend.
- 69.25 Bottom of hollow, 150 ft. below spur, course E.  
Ascend.
- 77.00 Top of spur, 300 ft. above hollow, bears E. and W.  
Descend.
- 80.00 Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for cor. of secs. 14, 15, 22, and 23, marked with 3 notches on S. and 2 notches on E. edges; from which  
 A pinon pine, 6 ins. diam., bears N. 54° E., 190 lks. dist., marked T 5 S R 5 W S 14 B T.  
 A pinon pine, 8 ins. diam., bears S. 34° E., 65 lks. dist., marked T 5 S R 5 W S 23 B T.  
 A pinon pine, 4 ins. diam., bears S. 36° W., 60 lks. dist. marked T 5 S R 5 W S 22 B T.  
 A pinon pine, 4 ins. diam., bears N. 64° W., 90 lks. dist., marked T 5 S R 5 W S 15 B T.
- Land, mountainous and level.
- Soil, gravelly; 3rd rate.
- Timber, cedar and pinon pine.
- Undergrowth, sage brush and greasewood.
- Good grass for grazing.
- Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
- 
- S 89° 52' E., on a random line bet. secs. 14 and 23.
- 46.00 Set temp.  $\frac{1}{4}$  sec. cor.

Subdivision of T.5 S., R.5 W.-Continued.

Chains	
79.88	Intersect N. and S. line, 12 lks. S. of the cor. of secs. 13, 14, 23, and 24.  Thence I run  N. 89° 57' W., on a true line bet. secs. 14 and 23.  Over mountainous land; through scattering timber.  Ascend .
22.00	Top of ridge, 100 ft. above sec. cor., bears N. 20° E. and S. 20° W.  Descend .
39.94	Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which.  A cedar, 4 ins. diam., bears N. 20° W., 15 lks. dist., marked $\frac{1}{4}$ S. 14 B T.  A piñon pine, 8 ins. diam., bears S. 10° E., 50 lks. dist., marked $\frac{1}{4}$ S 23 B T.
49.00	Foot of descent, 200 ft. below ridge, bears NE and SW.  Leave timber and enter dense undergrowth, bears NE and SW.  Enter bottom of branch of Sower's Canon.
53.50	Wash, 12 lks. wide, 4 ft. deep, course NE .
55.00	Old road, bears NE and SW.
57.00	Leave canon bottom, bears NE and SW.  Leave undergrowth and enter scattering timber, bears NE and SW .
	Ascend .
79.88	The cor. of secs. 14, 15, 22, and 23.  Land, mountainous and level.  Soil, gravelly ; 3rd rate.  Timber, cedar and piñon pine.  Undergrowth, sage brush and greasewood.  Good grass for grazing.  Mountainous land, or land covered with dense undergrowth, 79.88 chs.
	Novem er 12, 1903: At this cqr. I set off 17° 31' S., on the ✓

**Subdivision of T. 5 S., R. 5 W.-Continued.**

Chains decl. arc; and at 0 h 3 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is  $40^{\circ}03'N.$ , which is the proper lat. nearly.

Over mountainous land; through heavy timber.

Ascend .

2.00 Bottom of hollow, 40 ft. below sec. cor., course N.  $80^{\circ}E.$

Ascend .

30.00 Top of spur, 150 ft. above hollow, bears N.  $80^{\circ}E.$  and S.  $80^{\circ}W.$

Descend .

40.00 Set a sandstone, 16x10x4 ins., 11 ins. in the ground, for sec. cor., marked  $\frac{1}{2}$  on W. face; from which,

A pinon pine, 4 ins. diam., bears N.  $70^{\circ}E.$ , 15 lks. dist., marked  $\frac{1}{2}$  S 14 B T.

A pinon pine, 10 ins. diam., bears N.  $80^{\circ}W.$ , 280 lks. dist., marked  $\frac{1}{2}$  S 15 B T.

Bottom of hollow, 200 ft. below ridge, course N.  $80^{\circ}E.$

Ascend .

55.00 Top of spur, 200 ft. above hollow, bears E. and W.

Descend .

80.00 Set a sandstone, 24x18x5 ins., 18 ins. in the ground, for cor. of secs. 10, 11, 14, and 15, marked with 4 notches on S. and 2 notches on E. edges; from which,

A pinon pine, 11 ins. diam., bears N.  $38^{\circ}E.$ , 42 lks. dist., marked T 5 S R 5 W S 11 B T.

A pinon pine, 8 ins. diam.; bears S.  $73^{\circ}E.$ , 62 lks. dist., marked T 5 S R 5 W S 14 B T.

A pinon pine, 8 ins. diam., bears S.  $56^{\circ}W.$ , 61 lks. dist., marked T 5 S R 5 W S 15 B T.

A pinon pine, 4 ins. diam., bears N.  $56^{\circ}W.$ , 28 lks. dist., marked T 5 S R 5 W S 10 B T.

Subdivision of T 5 S R 5 W -Continued.

Chains Land, mountainous.  
Soil, gravelly; 3rd rate.  
Timber, cedar and pinon pine.  
Good grass for grazing.  
Mountainous or heavily timbered land, 80.00 chs.

---

S. 89° 57' E., on a random line bet. secs. 11 and 14.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.76 Intersect N. and S. line, 12 lks. N. of the cor. of secs.  
11, 12, 13, and 14.

Thence I run .

N. 89° 52' W., on a true line bet. secs. 11 and 14.

Over mountainous land; through heavy timber.

Ascend .

20.00 Top of spur, 100 ft. above sec. cor., bears NE and SW.  
Descend .

39.88 Set a sandstone, 14x10x5 ins., 9 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which  
A pinon pine, 4 ins. diam., bears N. 33° W., 35  
lks. dist., marked  $\frac{1}{4}$  S 11 B T.  
A pinon pine, 4 ins. diam., bears S. 14° W., 48  
lks. dist., marked  $\frac{1}{4}$  S 14 B T.

58.50 Bottom of hollow, 150 ft. below spur, course NE.

Ascend .

79.76 The cor of secs. 10, 11, 14, and 15.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 79.76 chs.

## Subdivision of T 5 S R 5 W -Continued.

Chains

November 13, 1903: At 8 h. 3 m a.m., l.m.t., I set off 40° 04' N., on the lat. arc; 17° 42' S., on the decl. arc; and determine a meridian, with the solar, at the cor. of secs. 10, 11, 14, and 15.

Thence I run

N. 0° 2' W., bet. secs. 10 and 11.

Over mountainous land; through heavy timber.

Descend .

36.50 Leave timber, bears E. and W.

40.00 Set a sandstone, 24x12x3 ins., 18 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

40.50 Cottonwood Canon, 20 ft. below sec. cor., course N. 70° E.

Enter dense undergrowth, bears N. 70° E. and S. 70° W.

Ascend ..

46.00 Leave undergrowth and enter heavy timber, bears E. and W.

69.50 Top of spur, 200 ft. above hollow, bears N. 85° E. and S. 85° W.

Descend .

74.00 Leave timber, bears E. and W..

79.00 Bottom of hollow, 75 ft. below spur, course N. 80° E.

Ascend .

80.00 Set a sandstone, 18x10x3 ins., 12 ins. in the ground, for cor. of secs. 2, 3, 10, and 11, marked with 5 notches on S. and 2 notches on E.; from which

A pinon pine, 7 ins. diam., bears N. 72° E., 45 lks. dist., marked T 5 S R 5 W S 2 B T.

A pinon pine, 11 ins. diam., bears S. 85° E., 95 lks. dist., marked T 5 S R 5 W S 11 B T.

A cedar, 10 ins. diam., bears S. 70° W., 235 lks. dist., marked T 5 S R 5 W S 10 B T.

A pinon pine, 14 ins. diam., bears N. 14° W., 66 lks.

## Subdivision of T.5 S. R.5 W.-Continued.

- Chains lks.dist., marked T 5 S R 5 W S 3 $\frac{1}{2}$  B T.
- Land, mountainous .
- Soil, gravelly; 3rd rate.
- Timber, cedar and pinon pine.
- Undergrowth, sage brush and greasewood.
- Good grass for grazing.
- Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
- 
- S.89° 52' E., on a random line bet. secs. 2 and 11.
- 40.00 Set temp.  $\frac{1}{4}$  sec.cor.
- .79.96 Intersect N. and S. line, 14 lks.S. of the cor.of secs. 1, 2, 11, and 12.
- Thence I run
- N.89° 58' W., on a true line bet. secs. 2 and 11.
- Over mountainous land; through heavy timber.
- Ascend .
- 39.98 Set a sandstone, 16x9x4 ins., 11 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; from which
- A pinon pine, 16 ins.diam., bears N.80° E., 50 lks.dist., marked  $\frac{1}{4}$  S 2 B T.
- A pinon pine, 12 ins.diam., bears S.15° E., 25 lks.dist., marked  $\frac{1}{4}$  S 11 B T.
- 75.00 Bottom of hollow, 150 ft. above sec.cor., course N.80° E.. Continue to ascend.
- .79.96 The cor.of secs. 2, 3, 10, and 11.
- Land, mountainous .
- Soil, gravelly; 3rd rate.
- Timber, cedar and pinon pine.
- Good grass for grazing.
- Mountainous or heavily timbered land, 79.96 chs.
- November 13, 1903: At this cor.I set off 17° 47'S., on the

CON A-500

Subdivision of T 5 S R 5 W -Continued.

Chains decl.arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is  $40^{\circ}05'N.$ , which is the proper lat. nearly.

---

$N.0^{\circ}2'W.$ , on a true line bet. secs. 2 and 3.

Over mountainous land; through heavy timber.

Ascend .

5.00 Top of ridge, 25 ft. above sec.cor., bears  $N.75^{\circ}E.$ , and  $S.75^{\circ}W.$ .

Descend .

11.00 Bottom of hollow, 40 ft. below spur, course  $N.70^{\circ}E.$

Ascend .

29.00 Top of ridge, 75 ft. above hollow, bears  $N.70^{\circ}E.$  and  $S.70^{\circ}W.$

Descend .

40.00 Set a sandstone, 18x10x3 ins. 12 ins. in the ground, for  $\frac{1}{2}$  sec.cor., marked  $\frac{1}{2}$  on W. face;; from which

A pinon pine, 12 ins. diam., bears  $N.62^{\circ}E.$ , 40 lks. dist., marked  $\frac{1}{4} S 2 B T.$

A pinon pine, 7 ins. diam., bears  $S.20^{\circ}W.$ , 70 lks. dist., marked  $\frac{1}{2} S 3 B T.$

75.00 Bottom of hollow, 200 ft. below ridge, course  $N.40^{\circ}E.$  Ascend.  
78.81 Intersect 1st Standard Parallel South, 9.66 chs. East.

of the standard cor. of secs. 34 and 35, which is a sandstone, 6x12x6 ins., above ground, firmly set, and marked and witnessed as described by Deputies Stewart and Booth.

Set a sandstone, 18x8x4 ins., 12 ins. in the ground, for closing cor. of secs. 2 and 3, marked C.C on S., with 2 grooves on E. and 4 grooves on W. faces; from which

A pinon pine, 12 ins. diam., bears SE., 104 lks. dist., marked T 5 S R 5 W S 2 B T.

A cedar, 7 ins. diam., bears S.  $130^{\circ}W.$ , 55 lks. dist., marked T 5 S R 5 W S 3 B T.

Land, mountainous.

Subdivision of T.5 S., R.5 W.-Continued.

Chains	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 79.61 chs.

November 13, 1903.

November 14, 1903: At 8 h 2 m a.m., l.m.t., I set off  $40^{\circ}$  00' N., on the lat. arc;  $17^{\circ} 58'$  S., on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 3, 4, 33, and 34, on S. bdy. of Tp., heretofore described.

Thence I run

$N. 0^{\circ} 2' W.$ , bet. secs. 33 and 34.

Over mountainous land; through heavy timber

Descend .

5.00 Bottom of hollow, 25 ft. below sec. cor., course  $N. 75^{\circ} W.$

Ascend .

8.50 Top of spur, 100 ft. above hollow, bears E. and W.

Descend .

25.00 Leave timber, bears NE and SW.

30.00 Foot of descent, 400 ft. below spur, bears NE and SW.

Enter dense undergrowth, bears NE and SW.

Enter bottom of Sower's Canon.

33.00 Wash, 20 lks. wide, 4 ft. deep, course NE .

40.00 Set a limestone,  $24 \times 13 \times 4$  ins., 18 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

41.00 Road, bears NE and SW.

43.00 Leave canon bottom, bears NE and SW.

Leave undergrowth, bears NE and SW.

Ascend .

50.00 Enter scattering timber, bears NE and SW.

53.00 Top of spur, 400 ft. above canon, bears E. and W.

500

Subdivision of T 5 S R 5 W -Continued

- Chains      Descend .
- 60.00      Bottom of hollow, 350 ft. below spur, course SE.
- Ascend .
- 78.00      Top of spur, 400 ft. above hollow, bears N. 80° E. and S. 80° W.
- Descend .
- 80.00      Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for cor. of secs. 27, 28, 33, and 34, marked with 1 notch on S. and 3 notches on E. edges; from which
- A pinon pine, 6 ins. diam., bears N. 75° E., 45 lks. dist., marked T 5 S R 5 W S 27 B T.
- A pinon pine, 5 ins. diam., bears S. 29° E., 85 lks. dist., marked T 5 S R 5 W S 34 B T.
- A pinon pine, 8 ins. diam., bears S. 39° W., 55 lks. dist., marked T 5 S R 5 W S 33 B T.
- A pinon pine, 8 ins. diam., bears N. 65° W., 60 lks. dist., marked T 5 S R 45 W S 28 B T.
- Land, mountainous and level.
- Soil, gravelly and rocky; 3rd and 4th rate.
- Timber, cedar and pinon pine.
- Undergrowth, sage brush, rabbit brush, greasewood and willows.
- Good grass for grazing.
- Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
- 
- S. 89° 58' E. at, on a random line bet. secs. 27 and 34.
- 40.00      Set temp.  $\frac{1}{2}$  sec. cor.
- 80.22      Intersect N. and S. line, 16 lks. S. of the cor. of secs. 26, 27, 34, and 35.
- Thence I run
- $\checkmark$  S. 89° 55' W., on a true line bet. secs. 27 and 34.
- Over mountainous land; through heavy timber.

Subdivision of T 5 S. R.5 W.-Continued.

Chains	Descend .
29.00	Ledge 15 ft. high,bears N.and S.
30.00	Foot of descent,400 ft. below sec.cor.,bears N.and S. Enter bottom of Sower's Canon Enter dense undergrowth, and leave timber,bears N. and S. A wire fence crosses the canon about 7.00 chs.north.
35.00	Creek,5 lks.wide,6 ins.deep,course N.20° E.
39.16	Old road,bears N.20° E. and S.20° W..
40.11	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for sec.cor.,marked $\frac{1}{2}$ on N.face;and raise a mound of stone .2 ft.base,1 $\frac{1}{2}$ ft.high,N.of cor.
41.50	Leave canon bottom,bears N.20° E., and S.20° W. Leave undergrowth ,bears N.20° E. and S.20° W. Ascend .
42.75	Foot of perpendicular ledge,15 ft. high,bears N. and S. Enter scattering timber,bears N. and S.
72.50	Top of spur,550 ft.above canon,bears N.80° E. and S.80° W. Descend .
80.22	The cor.of sec. 27,28,33, and 34. Land,mountainous and level. Soil,gravelly;3rd rate. Timber,cedar and pinon pine. Undergrowth,sage brush and greasewood. Good grass for grazing. Mountainous or heavily timbered land,or land covered with dense undergrowth,80.22 chs.
	November 14,1903:At this cor.I set off 18°03'S.,on the decl.arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°01'N.,which is the proper lat.nearly.

---

N.0°2'W.,betsecs.27 and 28.

Over mountainous land;through heavy timber.

Subdivision of T.5 S., R.5 W.-Continued.

Chains	Descend .
10.50	Bottom of hollow, 180 ft. below sec.cor., course E. Ascend ..
22.50	Top of spur, 100 ft. above hollow, bears N.80° E. and S.80° W. Descend .
40.00	Set a sandstone, 18x14x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; from which A pinon pine, 5 ins. diam., bears S.85° E., 45 lks.dist., marked $\frac{1}{4}$ S 27 B.T. A pinon pine, 8 ins. diam., bears S.75° W., 75 lks. dist., marked $\frac{1}{4}$ S 28 B.T.
42.00	Bottom of hollow, 125 ft. below ridge, course N.80° E. Ascend .
57.50	Top of spur, 300 ft. above hollow, bears N.80° E. and S.80° W. Descend .
80.00	Set a sandstone, 15x10x5 ins., 10 ins. in the ground, for cor.of secs. 21, 22, 27, and 28, marked with 2 notches on S. and 3 notches on E.edges; from which A pinon pine, 7 ins. diam., bears N.20° E., 80 lks.dist., marked T 5 S R 5 W S 22 B.T. A pinon pine, 5 ins. diam., bears S.25° E., 45 lks. dist., marked T 5 S R 5 W S 27 B.T. A pinon pine, 8 ins. diam., bears S.41° W., 33 lks. dist., marked T 5 S R 5 W S 28 B.T. A cedar, 6 ins. diam., bears N.39° W., 77 lks. dist., marked T 5 S R 5 W S 21 B.T. Land, mountainous. Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.00 chs.

N.89° 55' E., on a random line bet.secs. 22 and 27.

Subdivision of T 5 S., R 5 W -Continued

Chains	
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.10	Intersect N. and S. line, 12 lks. N. of the cor. of secs. 22, 23, 26, and 27.
	Thence I run West, on a true line bet. secs. 22 and 27.
	Over mountainous land; through heavy timber.
	Ascend .
1.00	Top of spur, 10 ft. above sec.cor., bears N. and S. Descend .
8.00	Bottom of hollow, 200 ft. below spur, course S. 35° E. Ascend .
36.00	Top of ridge, 600 ft. above hollow, bears N. 80° E. and S. 80° W. Descend .
40.05	Set a sandstone, 16x16x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face; from which A pinon pine, 10 ins. diam., bears N. 50° E., 65 lks. dist., marked $\frac{1}{4}$ S 22 B T. A pinon pine, 13 ins. diam., bears S. 63° E., 72 lks. dist., marked $\frac{1}{4}$ S 27 B T.
76.00	Bottom of hollow, 400 ft. below ridge, course N. 10° W. Ascend .
80.10	The cor. of secs. 21, 22, 27, and 28. Land; mountainous. Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.10 chs.

November 14, 1903.

---

November 15, 1903: At 8 h 2 m a.m., l.m.t., I set off 40°

Subdivision of T 5 S. R. 5 W.-Continued

- Chains 02°N., on the lat.arc; 18° 13' S., on the decl.arc; and determine a meridian, with the solar, at the cor.of secs. 21, 22, 27, and 28.
- Thence I run  
N. 0° 2' W., bet. secs. 21 and 22.
- Over mountainous land; through heavy timber.
- Descend.
- 11.00 Foot of descent, 300 ft. below sec.cor., bears N. 60° E. and S. 60° W.
- Leave timber, enter dense undergrowth, bears N. 60° E. and S. 60° W.
- Enter bottom of branch of Sower's Canon.
- 12.00 Trail, bears N. 60° E. and S. 60° W.
- 15.00 Leave canon bottom and begin ascent, bears N. 60° E. and S. 60° W.
- Leave undergrowth and enter scattering timber, bears N. 60° E. and S. 60° W.
- 24.50 Top of spur, 400 ft. above canon, bears N. 75° E. and S. 75° W.
- Descend.
- 34.25 Foot of descent, 450 ft. below spur, bears N. 80° E. and S. 80° W.
- Leave timber and enter dense undergrowth, bears N. 80° E. and S. 80° W.
- Enter bottom of branch of Sower's Canon.
- 34.50 Trail, bears N. 80° E. and S. 80° W.
- 35.35 Creek, 3 lks. wide, 6 ins. deep, course N. 80° E.
- 38.50 Old road, bears N. 80° E. and S. 80° W.
- 39.75 Leave canon bottom and begin ascent, bears N. 80° E. and S. 80° W.
- Leave undergrowth and enter scattering timber, bears N. 80° E. and S. 80° W.
- 40.00 Set a sandstone, 14x12x4 ins., 9 ins. in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{2}$  on W. face; from which  
A pinon pine, 8 ins. diam., bears N. 38° E., 90 lks. dist., marked  $\frac{1}{2}$  S 22 B T.

Subdivision of T 5 S. R 5 W -Continued

- Chains No other trees within limits; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.
- 48.00 Top of spur, 280 ft. above canon, bears N. 75° E. and S. 75° E.  
Descend .
- 54.50 Bottom of hollow, 100 ft. below ridge, course S. 75° E.  
Ascend .
- 62.00 Top of ridge, 200 ft. above hollow, bears N. 70° E. and S. 70° W.  
Descend .
- 80.00 Set a sandstone, 16x10x5 ins., 11 ins. in the ground, for cor. of secs. 15, 16, 21, and 22, marked 5 S on NE and 5 W on SE faces; with 3 notches on S., and E. edges; from which  
A pinon pine, 5 ins. diam., bears N. 66° E., 100 lks. dist., marked T 5 S R 5 W S 15 B T.  
A pinon pine, 7 ins. diam., bears S. 39° E., 94 lks. dist., marked T 5 S R 5 W S 22 B T.  
A pinon pine, 10 ins. diam., bears S. 70° W., 45 lks. dist., marked T 5 S R 5 W S 21 BT.  
A pinon pine, 9 ins. diam., bears N. 66° W., 43 lks. dist., marked T 5 S R 5 W S 16 B T.
- Land, mountainous and level.
- Soil, gravelly; 3rd rate.
- Timber, cedar and pinon pine.
- Undergrowth, sage brush and greasewood.
- Good grass for grazing.
- Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

---

East, on a random line bet. secs. 15 and 22.

40.00 Set temp. of sec. cor.'

80.08 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 14, 15, 22, and 23.

Thence I run

Subdivision of T.5 S., R.5 W.-Continued.

- Chains / S.89° 59' W., on a true line bet. secs. 15 and 22.
- Over mountainous land; through scattering timber and scattering undergrowth.
- Ascend.
- 30.00 Top of ridge, 150 ft. above sec. cor., bears N. 60° E. and S. 60° W.
- Descend.
- 40.04 Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which
- A pinon pine, 12 ins. diam., bears N. 12° E., 52 lks. dist., marked  $\frac{1}{4}$  S 15 B T.
- A pinon pine, 12 ins. diam., bears S., 25 lks. dist., marked  $\frac{1}{4}$  S 22 B T.
- 80.08 The cor. of secs. 15, 16, 21, and 22.
- Land, mountainous.
- Soil, gravelly; 3rd rate.
- Timber, cedar and pinon pine.
- Undergrowth, sage brush and greasewood.
- Good grass for grazing.
- Mountainous land, 80.08 chs.
- November 15, 1903: At this cor. I set off 18° 19' S., on the decl. arc; and at 0 h 2 m p. m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40° 03' N., which is the proper lat. nearly.
- 
- N. 0° 02' W., bet. secs. 15 and 16.
- Over mountainous land; through heavy timber.
- Descend.
- 34.50 Bottom of hollow, 200 ft. below sec. cor., course NE.
- Ascend.
- 40.00 Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which
- A pinon pine, 10 ins. diam., bears S. 52° E., 55

## Subdivision of T.5 S., R.5 W.-Continued.

Chains lks.dist., marked  $\frac{1}{4}$  S 15 B T.  
 A pinon pine, 12 ins. diam., bears N.  $76^{\circ}$  W., 53  
 lks.dist., marked  $\frac{1}{4}$  S 16 B T.

60.00 Top of ridge, 80 ft. above hollow, bears NE and SW.  
 Descend through scattering undergrowth.

80.00 Set a sandstone, 16x10x4 ins., 11 ins. in the ground, for  
 cor. of secs. 9, 10, 15, and 16, marked with 4 notches on S.  
 and 3 notches on E. edges; from which  
 A pinon pine, 4 ins. diam., bears N.  $75^{\circ}$  E., 50  
 lks.dist., marked T 5 S R 5 W S 10 B T.  
 A pinon pine, 14 ins. diam., bears S.  $40^{\circ}$  E., 70  
 lks.dist., marked T 5 S R 5 W S 15 B T.  
 A pinon pine, 3 ins. diam., bears S.  $50^{\circ}$  W., 60  
 lks.dist., marked T 5 S R 5 W S 16 B T.  
 A pinon pine, 3 ins. diam., bears N.  $70^{\circ}$  W. 63  
 lks.dist., marked T 5 S R 5 W S 9 B T.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.  
 November 15, 1903: At this cor. latitude  $40^{\circ} 03' 44''$  N., longitude  $110^{\circ} 29' 22''$  W., I set off  $40^{\circ} 04'$  N., on the lat. arc;  $18^{\circ}$   
 $18'$  S., on the decl. arc; and determine a meridian with the  
 solar, and mark a point thereof on a stone firmly set in  
 the ground, 5.00 chs. N. of the cor. at 4 h. 00 m. p.m.

November 15, 1903.

---

November 16, 1903: At 3 h 44 m a.m., 1. mt., I observe  
 Polaris at western elongation, in accordance with the

Subdivision of T.5 S., R.5 W.-Continued.

- Chains Manual, and mark a point thereof on a peg driven in the ground, 5.00 chs.N.of the cor.
- At 7 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris  $1^{\circ} 34.8'$  to the east, and mark the meridian, thus determined by cutting a small groove in the stone, already set 5.00 chs.N.of the cor.; this mark falls 0.34 ins.east of the meridian established by the solar.
- At 8 h 0 m a.m., l.m.t., I set off  $40^{\circ} 04' N.$ , on the lat.arc;  $18^{\circ} 29' S.$ , on the decl.arc; and mark the meridian determined with the solar, by a cross on the stone, already set 5.00 chs.N.of the cor.; this mark falls 0.28 ins.east of the meridian established by observation on Polaris.
- The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about  $0' 18''$  west and  $0' 15''$  east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.
- The magnetic bearing of the meridian, at 8 h 20 m a.m., l.m.t., is  $N.16^{\circ} 33' W.$ , the angle thus determined, gives the mag.decl.  $16^{\circ} 33' E.$
- 
- N. $89^{\circ} 59' E.$ , on a random line bet.secs.10 and 15.
- 40.00 Set temp. $\frac{1}{4}$  sec.cor.
- 80.12 Intersect N.and S.line, 14 lks.S.of the cor.of secs. 10, 11, 14, and 15.
- Thence I run
- S. $89^{\circ} 53' W.$ , on a true line bet.secs.10 and 15.
- Over mountainous land; through heavy timber.
- Ascend .
- 40.06 Set a sandstone,  $18 \times 10 \times 8$  ins., 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; from which
- A pinon pine, 12 ins.diam., bears N. $60^{\circ} E.$ , 40

## Subdivision of T. 5.S., R. 5 W.-Continued.

Chains	lks.dist., marked $\frac{1}{4}$ S 10 B T. A pinon pine, 10 ins. diam., bears S. $70^{\circ}$ E., 20 lks.dist., marked $\frac{1}{4}$ S 15 B T.
45.00	Top of spur, 100 ft. above sec.cor., bears N. and S. Descend .
55.00	Bottom of hollow, 50 ft. below ridge, course NE. Ascend .
61.00	Top of ridge, 80 ft. above hollow, bears NE and SW. Descend .
77.60	Bottom of hollow, 80 ft. below ridge, course NE . Ascend .
80.12	The cor.of secs. 9,10,15, and 16. Land, mountainous. Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.12 chs.
<hr/>	
	N. $0^{\circ}02'$ W., bet. secs. 9 and 10. Over mountainous land; through scattering timber. Descend .
4.00	Leave timber and enter scattering undergrowth, bears E. and W.
12.00	Bottom of Cottonwood Canon, 100 ft. below sec.cor., course N $70^{\circ}$ E. A spring of good water, 3 lks.wide, 4 ins.deep, bears S. $70^{\circ}$ W., about 10.00 chs.dist.The water sinks a short distance from the spring. Ascend .
17.00	Enter scattering timber, bears E. and W.
18.50	Top of spur, 150 ft. above hollow, bears E. and W. Descend .
19.00	Enter heavy timber, bears E. and W.

Subdivision of T 5 S R 5 W -Continued.

Chains	
26.00	Bottom of hollow, 100 ft. below spur, course E. Ascend .
32.00	Top of spur, 120 ft. above hollow, bears E. and W. Descend .
39.50	Bottom of hollow, 50 ft. below spur, course E.. Ascend .
40.00	Set a sandstone, 18x8x4 ins., 12 ins. in the ground, for sec.cor., marked $\frac{1}{4}$ on W. face; from which A cedar, 6 ins. diam., bears N. $70^{\circ}$ E., 25 lks. dist., marked $\frac{1}{4}$ S 10 B T. A pinon pine, 11 ins. diam., bears N. $75^{\circ}$ W., 45 lks. dist., marked $\frac{1}{4}$ S 9 B T.
57.00	Top of ridge , 100 ft. above hollow, bears N. $70^{\circ}$ E. and S. $70^{\circ}$ W. Descend .
80.00	Set a sandstone, 16x11x4 ins., 11 ins. in the ground, for cor.of secs. 3,4,9, and 10, marked with 5 notches on S. and 3 notches on E.edges; from which A pinon pine, 4 ins. diam., bears N. $40^{\circ}$ E., 13 lks. dist., marked T 5 S R 5 W S 5 B T. A pinon pine, 4 ins. diam., bears S. $60^{\circ}$ E., 26 lks. dist., marked T 5 S R 5 W S 10 B T. A pinon pine, 12 ins. diam., bears S. $51^{\circ}$ W., 59 lks. dist., marked T 5 S R 5 W S 9 B T. A cedar, 6 ins. diam., bears N. $66^{\circ}$ W., 48 lks. dist., marked T 5 S R 5 W S 4 B T.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.
	November 16, 1903: At this cor. I set off $18^{\circ} 34' S.$ , on the decl.arc; and at 6 h. 2 m p.m., l.m.t., I observethe sun on

## Subdivision of T.5 S., R.5 W.-Continued.

Chains the meridian, the resulting lat. is  $40^{\circ} 05' N.$ , which is the proper lat. nearly.

---

$N.89^{\circ} 53' E.$ , on a random line bet. secs. 3 and 10.

40.00 Set temp.  $\frac{1}{4}$  sec.cor.

79.90 Intersect N. and S. line, 5 lks.S. of the cor. of secs. 2, 3, 10, and 11.

Thence I run

$S.89^{\circ} 51' W.$ , on a true line bet. secs. 3 and 10.

Over mountainous land; through heavy timber.

Ascend.

25.00 Top of ridge, 75 ft. above sec.cor., bears  $N.45^{\circ} E.$  and  $S.60^{\circ} W.$ .

Descend.

39.95 Set a sandstone, 16x8x4 ins., 11 ins. in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N. face; from which

= A pinon pine, 5 ins. diam. bear  $N.40^{\circ} W.$ , 80 lks.dist., marked  $\frac{1}{4} S 3 B T.$

A pinon pine, 12 ins. diam., bears  $S.50^{\circ} E.$ , 25 lks.dist., marked  $\frac{1}{4} S 10 B T.$

79.90 The cor. of secs. 3, 4, 9, and 10.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 79.90 chs.

---

$N.0^{\circ} 02' W.$ , bet. secs. 3 and 4. on a true line.

Over mountainous land, through heavy timber.

Descend.

8.00 Bottom of hollow, 150 ft. below sec.cor., course  $N.60^{\circ} E.$

Subdivision of T.5 S., R.5 W.-Continued.

Chains	Ascend .
40.00	Top of ridge, 150 ft. above hollow, bears N. 70° E. and S. 70° W. Set a sandstone, 18x11x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which A pinon pine, 5 ins. diam., bears N. 75° E., 104 lks. dist., marked $\frac{1}{4}$ S 3 B T. A pinon pine, 5 ins. diam., bears S. 80° W., 40 lks. dist., marked $\frac{1}{2}$ S 4 B T.
	Descend .
64.00	Bottom of hollow, 150 ft. below ridge, course NE.
	Ascend .
69.00	Top of spur, 75 ft. above hollow, bears NE and SW. Descend through scattering undergrowth.
79.75	Bottom of hollow, 150 ft. below spur, course NE .
	Ascend .
79.80	Intersect 1st Standard Parallel South, 9.96 chs. East, of the standard cor. of secs. 33 and 34, which is a sandstone, 6x8x4 ins., above ground, firmly set, and marked and witnessed as described by Stewart and Booth. Set a sandstone, 18x13x4 ins., 12 ins. in the ground, for closing cor. of secs. 3 and 4, marked with C C on S., with 3 grooves on E. and 3 grooves on W. faces; from which A pinon pine, 4 ins. diam., bears S. 55° E., 185 lks. dist., marked T 5 S R 5 W S 3 B T. A cedar, 6 ins. diam., bears S. 17° W., 196 lks. dist., marked T 5 S R 5 W S 4 B T.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, 79.80 chs.

November 16, 1905.

Subdivision of T 5 S.R 5 W.-Continued..

Chains

November 17, 1903: At 8 h 2 m a.m., I.m.t. I set off 40° 00' N., on the lat. arc; 18° 43' S., on the decl. arc; and determine a meridian, with the solar, at the cor. of secs. 4, 5, 32, and 33, on S. bdy. of Tp.; heretofore described.

Thence I run

N. 0° 03' W., bet. secs. 32 and 33.

Over mountainous land; through heavy timber.

Descend .

8.50 Bottom of hollow, 200 ft. below sec. cor., course E.

Ascend .

37.00 Top of ridge, 250 ft. above hollow, bears N. 80° E. and S. 80° W.

Descend .

40.00 Set a sandstone, 20x18x4 ins., 15 ins. in the ground, for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{2}$  on W. face; from which

A piñon pine, 5 ins. diam., bears S. 85° E., 50 lks. dist., marked  $\frac{1}{2}$  S 33 B T.

A piñon pine, 6 ins. diam., bears N. 89° W., 40 lks. dist., marked  $\frac{1}{2}$  S 32 B T.

42.00 Bottom of hollow, 100 ft. below ridge, course N. 80° E.

Ascend .

48.00 Top of ridge, 50 ft. above hollow, bears N. 70° E. and S. 70° W.

Descend .

57.50 Bottom of hollow, 150 ft. below ridge, course N. 85° E.,

Ascend .

76.00 Top of ridge, 205 ft. above hollow, bears N. 70° E. and S. 70° W.

Descend .

80.00 Set a sandstone, 16x14x4 ins. 11 ins. in the ground, for cor. of secs. 28, 29, 32, and 33, marked with 1 notch on S. and 4 notches on E. edges; from which

Subdivision of T.5 S., R.5 W.-Continued.

Chains	A pinon pine, 7 ins. diam bears N.74° E., 54 lks. dist., marked T 5 S R5 WS 28 B T . A pinon pine, 13 ins. diam .bears S.88° E., 40 lks.dist.,marked T 5 S R5 WS 33 B T . A pinon pine, 10 ins.diam.,bears S.59° W., 35 lks.dist.,marked T 5 S R 5 W S 32 B T . A pinon pine, 4 ins.diam.,bears N.59° W., 60 lks.dist.,marked T 5 S R 5 W S 29 B T .
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine, and red pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.
	S.89° 58' Eon a random line bet. secs. 28 and 33.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.22	Intersect N. and S.line, 7 lks.S.of the cor.of secs. 27, 28, 33, and 34.
	Thence I run
	S.89° 59' W., on a true line bet. secs. 28 and 33.
	Over mountainous land; through heavy timber.
	Ascend .
27.00	Top of spur, 100 ft. above sec.cor., bears N.85° W. and S.85° E.
	Ascend along south side of spur.
40.11	Set a sandstone, 20x18x4 ins., 15, ins.in : the ground; for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; from which
	A pinon pine, 6 ins. diam.,bears N.75° E., 125 lks.dist.,marked $\frac{1}{4}$ S 28 B T . A pinon pine, 10 ins.diam.,bears S.80° E., 60 lks.dist.,marked $\frac{1}{4}$ S 33 B T .
50.50	Top of spur, 100' ft. above last spur, projects E. . . . .

Subdivision of T. 5 S. - R. 5 W. -Continued

Chains	Continue to ascend gradually.
80.22	<p>The cor. of secs. 28, 29, 32, and 33. . .</p> <p>Land; mountainous. . .</p> <p>Soil, gravelly; 3rd rate. . .</p> <p>Timber, cedar and pinon pine. . .</p> <p>Good grass for grazing. . .</p> <p>Mountainous or heavily timbered land, 80.22 chs.</p> <p>November 17, 1903: At this cor. I set off <math>18^{\circ}49' S.</math>, on the decl. arc; and at 0 h 3 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is <math>40^{\circ}01' N.</math>, which is the proper lat. nearly.</p> <hr/>
	<p>N.<math>0^{\circ}03' W.</math>, bet. secs. 28 and 29.</p> <p>Over mountainous land; through heavy timber.</p> <p>Descend . . .</p>
19.25	<p>Bottom of hollow, 75 ft. below sec. cor., course NE . . .</p> <p>Ascend . . .</p>
30.00	<p>Top of ridge, 150 ft. above hollow, bears NE and SW.</p> <p>Descend . . .</p>
40.00	<p>Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked <math>\frac{1}{4}</math> on W. face; from which</p> <p>A pinon pine, 5 ins. diam., bears N.<math>25^{\circ} E.</math>, 30 lks. dist., marked <math>\frac{1}{4} S 28 B. T.</math></p> <p>A pinon pine, 6 ins. diam., bears N.<math>40^{\circ} W.</math>, 50 lks. dist., marked <math>\frac{1}{4} S 29 B. T.</math> . . .</p>
47.00	<p>Bottom of hollow, 200 ft. below ridge, course N.<math>85^{\circ} E.</math> . . .</p> <p>Ascend . . .</p>
60.00	<p>Top of ridge, 200 ft. above hollow, bears E. and W.</p> <p>Descend . . .</p>
80.00	<p>Set a sandstone, 16x14x3 ins., 11 ins. in the ground, for cor. of secs. 20, 21, 28, and 29, marked with 2 notches on S. and 4 notches on E. edges; from which</p> <p>A pinon pine, 4 ins. diam., bears N.<math>45^{\circ} E.</math>, 45</p>

Subdivision of T.5 S R.5 W.-Continued.

Chains	lks.dist.,marked T.5 S R5 W S 21 B T. A cedar,10 ins.diam.,bears S.80° E.,60 lks. dist.,marked T 5 S R 5 W S 28 B T. A pinon pine,9 ins.diam.,bears S.30° W.,20 lks. dist.,marked T 5 S R 5 W S 29 B T. A pinon pine,7 ins.diam.,bears N.5° W.,20 lks. dist.,marked T 5 S R5,W S 20 B T.
Land	mountainous .
Soil	gravelly;3rd rate.
Timber	cedar and pinon pine.
Good grass for grazing.	
Mountainous or heavily timbered land.	80.00 chs.
<hr/>	
	N.89° 59' E.,on a random line bet.secs.21 and 28.
40.00	Set temp. $\frac{1}{2}$ sec.cor.
80.02	Intersect N and S.line,7 lks.S.of the cor.of secs.21,22,27, and 28.
	Thence 1 run
	(S.89° 56' W.,on a true line,bet.secs.21 and 28.
	Over mountainous.land;through heavy timber.
	Ascend .
3.00	Top of spur,40 ft.above sec.cor.,bears N.10° W.and S.10° E.
	Descend .
13.00	Foot of descent,350 ft.below spur,bears N.20° E.and S.20° W.
	Leave timber and enter dense undergrowth,bears N.20° E. and S.20° W.
	Enter bottom of branch of Sower's Canon.
23.00	Leave canon bottom,bears N.20° E.and S.20° W.
	Leave undergrowth and enter heavy timber,bears N.20° E. and S.20° W.
	Ascend .
40.01	Set a sandstone,16x12x4 ins.,11 ins.in the ground,for $\frac{1}{2}$ sec.cor.,marked $\frac{1}{2}$ on N.face;from which

## Subdivision of T 5 S .R.5 W -Continued

Chains                    A cedar, 5 ins. diam., bears N. 57° E., 54 lks.  
                           dist., marked  $\frac{1}{4}$  S 21° B T.

                          A pinon pine, 6 ins. diam., bears S. 17° W., 27  
                           lks. dist., marked  $\frac{1}{4}$  S 28° B T.

45.00 Top of ridge, 600 ft. above canon, bears NE and SW.

Descend .

58.00 Bottom of hollow, 200 ft. below ridge, course N. 10° E.

Ascend .

70.00 Top of ridge, 180 ft. above hollow, bears N. and S.

Descend .

76.00 Bottom of hollow, 200 ft. below spur, course N. 10° E.

Ascend .

80.02 The cor. of secs. 20, 21, 28, and 29.

Land, mountainous and level.

Soil, gravelly. 3rd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered  
                           with dense undergrowth, 80.02 chs.

November 17, 1903.

✓ November 18, 1903: At 8 h 0 m a.m., l. mt., I set off 40° 02' N.,  
     on the lat. arc; 18° 58' S., on the decl. arc; and determine a  
     meridian with the solar, at the cor. of secs. 20, 21, 28, and 29.

Thence I run

N. 0° 03' W., bet. secs. 20 and 21.

Over mountainous land; through heavy timber.

Descend .

15.50 Foot of descent, 150 ft. below sec. cor., bears N. 80° E. and S.  
                           80° W.

Leave timber and enter dense undergrowth, bears N. 80° E.

Subdivision of T. 5 S. R. 5 W.-Continued.

Chains and S. 80° W.  
 Enter bottom of branch of Sower's Canon.  
 16.00 Old road, bears N. 80° E. and S. 80° W.  
 23.00 Leave canon bottom, bears N. 80° E. and S. 80° W.  
 Leave undergrowth and enter scattering timber, bears N. 80° E. and S. 80° W.  
 Ascend .  
 26.25 Top of spur, 75 ft. above canon, bears N. 75° W. and S. 75° E.  
 Descend .  
 29.00 Bottom of hollow, 100 ft. below spur, course S. 75° E.  
 Ascend .  
 40.00 Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which  
     A pinon pine, 12 ins. diam., bears S. 20° E., 40  
     lks. dist., marked  $\frac{1}{4}$  S 21 B T.  
     A pinon pine, 10 ins. diam., bears N. 88° W., 12 lks.  
     dist., marked  $\frac{1}{4}$  S 20 B T.  
 45.00 Top of ridge, 300 ft. above hollow, bears N. 60° W. and S. 60° E.  
 Descend .  
 58.00 Set a sandstone, 16x14x4 ins., 11 ins. in the ground, for  
 cor. of secs. 16, 17, 20, and 21, marked with 3 notches on S. and 4 notches on E. edges; from which  
     A cedar, 6 ins. diam., bears N. 40° E. 120 lks.  
     dist., marked T 5 S R 5 W S 16 B T.  
     A pinon pine, 5 ins. diam., bears S. 45° E., 150  
     lks. dist., marked T 5 S R 5 W S 21 BT.  
     A pinon pine, 6 ins. diam., bears S. 45° W., 58  
     lks. dist., marked T 5 S R 5 W S 20 B T.  
     A pinon pine, 6 ins. diam., bears N. 80° W., 62  
     lks. dist., marked T 5 S R 5 W S 17 B T.  
 Land, mountainous and level.  
 Soil, gravelly; 3rd rate.  
 Timber, cedar and pinon pine.  
 Undergrowth, sage brush and greasewood.

## Subdivision of T 5 S R 5 W -Continued

- Chains Good grass for grazing.  
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
- 
- N.  $89^{\circ} 56' E.$ , on a random line bet. secs. 16 and 21.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.82 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 15, 16, 21, and 22.  
Thence 1 run  
S.  $89^{\circ} 59' W.$ , on a true line bet. secs. 16 and 21.  
Over mountainous land; through heavy timber.  
Descend.  
22.50 Bottom of hollow, 150 ft. below sec. cor., course N.  $30^{\circ} E.$   
Ascend.  
39.91 Set a sandstone, 16x10x4 ins., 11 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which  
A pinon pine, 12 ins. diam., bears N.  $30^{\circ} E.$ ,  
180 lks. dist., marked  $\frac{1}{4}$  S 16 B T.  
A cedar, 10 ins. diam., bears S. 60 lks. dist.  
marked  $\frac{1}{4}$  S 21 B T.  
46.00 Top of ridge, 100 ft. above hollow, bears N.  $20^{\circ} E.$  and S.  $20^{\circ} W.$   
Descend.  
56.00 Bottom of hollow, 100 ft. below ridge, course N.  $25^{\circ} W.$   
Ascend.  
65.00 Top of ridge, 50 ft. above hollow, bears N.  $30^{\circ} W.$  and S.  $30^{\circ} E.$   
Descend.  
77.00 Bottom of hollow, 60 ft. below ridge, course NW.  
Ascend.  
79.82 The cor. of secs. 16, 17, 20, and 21.  
Land, mountainous.  
Soil, gravelly. 3rd rate.

Subdivision of T.5 S. R.5 W.-Continued.

- Chains      Timber, cedar and pinon pine.  
 Good grass for grazing.  
 Mountainous or heavily timbered land, 79.82 chs.  
 November 18, 1903: At this cor. I set off 19° 04' S., on the decl. arç; and at 0 h 1 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40° 03' N., which is the proper lat. nearly.
- N. 0° 03' W., bet. secs. 16 and 17.
- Over mountainous land; through heavy timber.  
 Descend .  
 1.50 Bottom of hollow, 20 ft. below sec. cor., course N. 60° W.  
 Ascend .  
 9.00 Top of spur, 50 ft. above hollow, bears N. 60° W. and S. 60° E.  
 Descend .  
 15.00 Bottom of hollow, 50 ft. below spur, course N. 60° W.  
 Ascend .  
 25.00 Top of spur, 75 ft. above hollow, bears N. 50° W. and S. 50° E.  
 Descend .  
 30.00 Leave timber and enter dense undergrowth, bears NW and S E.  
 34.50 Bottom of hollow, 60 ft. below spur, course N. W.  
 Ascend .  
 37.50 Top of spur, 40 ft. above hollow, bears NW and S E.  
 Descend :  
 40.00 Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for sec. cor., marked  $\frac{1}{2}$  on W. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
 43.50 Wash, 45 lks. wide, 12 ft. deep, in bottom of Cottonwood Canon, 100 ft. below spur, course N. 75° E.  
 Ascend .

Subdivision of T.5 S R.5 W -Continued

Chains

- 46.00 Leave undergrowth and enter scattering timber, bears E. and W.
- 51.00 Top of ridge, 100 ft. above canon, bears N.  $70^{\circ}$  E. and S.  $70^{\circ}$  W.  
Enter heavy timber, bears N.  $70^{\circ}$  E. and S.  $70^{\circ}$  W.  
Descend ..
- 61.75 Bottom of hollow, 50 ft. below ridge, course E.  
Ascend .
- 76.00 Top of ridge, 40 ft. above hollow, bears N.  $80^{\circ}$  E. and S.  $80^{\circ}$  W.  
Descend .
- 80.00 Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for cor. of secs. 8, 9, 16, and 17, marked with 4 notches on S., and E. edges; from which  
A cedar, 6 ins. diam., bears N.  $10^{\circ}$  E., 120 lks. dist., marked T 5 S R 5 W S 9 B T.  
A pinon pine, 8 ins. diam., bears S.  $45^{\circ}$  E., 150 lks. dist., marked T 5 S R 5 W S 16 B T.  
A pinon pine, 15 ins. diam., bears S.  $40^{\circ}$  W., 58 lks. dist., marked T 5 S R 5 W S 17 B T,  
A pinon pine, 13 ins. diam., bears N.  $76^{\circ}$  W., 250 lks. dist., marked T 5 S R 5 W S 8 B T.
- Land, mountainous .
- Soil, gravelly; 3rd rate.
- Timber, cedar and pinon pine.
- Undergrowth, sage brush and greasewood.
- Good grass for grazing.
- Mountainous or heavily timbered, or land covered with dense undergrowth, 80.00 chs.
- 
- N.  $89^{\circ}50'$  E., on a random line bet. secs. 9 and 16.
- 46.00 Set temp. of sec. cor.
- 78.00 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 9, 10,

Subdivision of T.5 S., R.5 W.-Continued.

- Chains 15, and 16.  
 Thence I run  
 ✓N. 89° 58' W., on a true line bet. secs. 9 and 16.  
 Over mountainous land; through scattering timber.  
 Descend .  
 16.00 Bottom of Cottonwood Canon, 100 ft. below sec.cor., course N. 70° E. There is a wash in bottom of canon, 10 lks. wide, 4 ft. deep, in which there is a stream of water, 3 lks. wide 4 ins. deep.  
 Ascend .  
 16.25 Enter scattering undergrowth, bears N. 70° E. and S. 70° W.  
 34.00 Top of ridge, 150 ft. above canon, bears N. 70° E. and S. 70° W.  
 Descend .  
 39.80 Set a sandstone, 16x14x4 ins., 11 ins. in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N. face; from which  
     A pinon pine, 10 ins. diam., bears N., 40 lks. dist., marked  $\frac{1}{4}$  S 9 B.T.  
     A pinon pine, 9 ins. diam., bears S. 80° E., 12 lks. dist., marked  $\frac{1}{2}$  S 16 B.T.  
 Enter heavy timber, bears NE and SW.  
 79.60 The cor. of secs. 8, 9, 16, and 17.  
 Land, mountainous.  
 Soil, gravelly; 3rd rate.  
 Timber, cedar and pinon pine.  
 Undergrowth, sage brush.  
 Good grass for grazing.  
 Mountainous or heavily timbered land, 79.60 chs.

November 18, 1903.

---

November 19, 1903: At 8 h 2 m a.m., l.m.t., I set off 40° 04' N., on the lat.arc; 19° 12' S., on the decl.arc; and determine

Subdivision of T 5 S R 5 W.-Continued.

chains	a meridian, with the solar, at the cor. of secs. 8, 9, 16, and 17.  Thence I run  N. 0° 03' W., bet. secs. 8 and 9.  Over mountainous land; through heavy timber.  Descend .  Bottom of hollow, 20 ft. below sec. cor., course N. 80° E.  Ascend .  Top of ridge, 60 ft. above sec. cor., bears N. 80° E. and S. 80° W.  Descend .  Set a sandstone, 18x15x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which  A pinon pine, 13 ins. diam., bears S. 6° E., 30 lks. dist., marked $\frac{1}{4}$ S 9 B T.  A pinon pine, 11 ins. diam., bears N. 70° W., 50 lks. dist., marked $\frac{1}{4}$ S 8 B T.  Bottom of hollow, 200 ft. below sec. cor., course N. 80° E.  Ascend .  Top of ridge, 150 ft. above hollow, bears N. 75° E. and S. 75° W.  Descend .  Set a sandstone, 18x14x3 ins., 12 ins. in the ground, for cor. of secs. 4, 5, 8, and 9, marked with 5 notches on S. and 4 notches on E. edges; from which  A cedar, 8 ins. diam., bears N. 35° E., 55 lks. dist., marked 1 5 S R 5 W S 4 B T.  A pinon pine, 10 ins. diam., bears S. 3° E., 45 lks. dist., marked T 5 S R 5 W S 9 B T.  A pinon pine, 6 ins. diam., bears S. 20° W., 64 lks. dist., marked T 5 S R 5 W S 8 B T.  A pinon pine, 10 ins. diam., bears N. 65° W., 63 lks. dist., marked T 5 S R 5 W S 5 B T.  Land, mountainous .
--------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## Subdivision of T.5 S., R.5 W.-Continued.

Chains, Soil, gravelly; 3rd rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

---

S. 89° 58' E., on a random line bet. secs. 4 and 9.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.64 Intersect N. and S. line, 3 lks. E. of the cor. of secs. 3, 4, 9, and 10.

Thence I run

N. 89° 57' W., on a true line bet. secs. 4 and 9.

Over mountainous land; through heavy timber. Descend.

18.00 Bottom of hollow, 100 ft. below cor., course N. 60° E. Ascend.

39.82 Set a sandstone, 28x14x8 ins., 21 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which

A pinon pine, 8 ins. diam., bears N. 70° E., 50 lks. dist., marked  $\frac{1}{4}$  S 4 B T.

A pinon pine, 10 ins. diam., bears S. 50° W., 30 lks. dist., marked  $\frac{1}{4}$  S 9 B T.

75.00 Top of ridge, 150 ft. above hollow, bears N. 70° E. and S. 70° W.

Descend.

79.64 The cor. of secs. 4, 5, 8, and 9.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 79.64 chs.

November 19, 1903: At the noon hour the sky is overcast and solar observations are impossible.

---

Subdivision of T. 5 S. R. 5 W. -Continued.

Chains

N. 0° 03' W., on a true line bet. secs. 4 and 5.

Over mountainous land; through heavy timber.

Descend .

21.00 Bottom of hollow, 60 ft. below sec. cor., course N. 55° E.

Ascend .

40.00 Top of ridge, Divide between Indian and Cottonwood Canons,  
75 ft. above hollow, bears NE. and SW.  
Set a sandstone, 16x16x.5 ins., 11 ins. in the ground, for

$\frac{1}{2}$  sec. cor., marked  $\frac{1}{2}$  on W. face; from which

A pinon pine, 19 ins. diam., bears N. 88° E., 65  
lks. dist., marked  $\frac{1}{2}$  S 4 B T.

A pinon pine, 10 ins. diam., bears S. 45° W., 26  
lks. dist., marked  $\frac{1}{2}$  S 5 B T.

Descend .

47.00 Bottom of hollow, 50 ft. below ridge, course N. 50° E.

Ascend .

60.00 Top of ridge, 50 ft. above hollow, bears NE and SW.

Descend .

77.00 Bottom of hollow, 50 ft. below ridge, course N. 60° E.

Ascend .

79.70 Intersect 1st Standard Parallel South, 10.60 chs.,  
East of the standard cor. of secs. 32, and 33, which is a  
sandstone, 6x12x5 ins., above ground, firmly set, and  
marked and witnessed as described by Deputies Stewart  
and Booth.

Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for  
closing cor. of secs. 4 and 5, marked C C on S., with 4  
grooves on L. and 2 grooves on W. faces; from which

A pinon pine, 12 ins. diam., bears S. 60° E., 30  
lks. dist., marked T 5 S R 5 W S 4 B T.

A pinon pine, 9 ins. diam., bears S. 76° W., 27  
lks. dist., marked T 5 S R 5 W S 5 B T.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, cedar and pinon pine.

## Subdivision of T 5 S -R 5 W -Continued

Chains Good grass for grazing.  
Mountainous or heavily timbered land, 79.70 chs.

November 19, 1903.

- November 20, 1903 : At 8 h C m a.m., l.m.t., I set off 40° 00' N., on the lat.arc; 19° 27' S., on the decl.arc; and determine a meridian with the solar, at the cor.of secs. 5, 6, 31, and 32, on S.bdy.of Tp., heretofore described. Thence I run N. 0° 4' W., bet.secs. 31 and 32. Over mountainous land; through heavy timber. Ascend abruptly.
- 18.00 Top of ridge, 250 ft. above sec.cor., bears N. 85° E. and S. 85° W.
- Descend .
- 30.00 Leave timber and enter dense undergrowth, bears E. and W.
- 40.00 Set a sandstone, 18x10x4 ins., 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; and raise a mound of stone, 2 ft.base,  $1\frac{1}{2}$  ft.high, W.of cor.
- 55.00 Leave undergrowth and enter heavy timber, bears E. and W.
- 64.00 Descend abruptly, bears NE and SW.
- 76.00 Bottom of hollow, 150 ft.below ridge, course NE . Ascend .
- 80.00 Set a sandstone, 20x12x4 ins., 15 ins.in the ground, for cor.of secs. 29, 30, 31, and 32, marked with 1 notch on S. and 5 notches on E.edges; from which
- A pinon pine, 13 ins.diam., bears N. 30° E., 16 lks.dist., marked T 5 S R 5 W S 29 B T.
- A pinon pine, 13 ins.diam., bears S. 38° E. 43 lks dist., marked T 5 S R 5 W S 32 B T.
- A pinon pine, 11 ins.diam., bears S. 62° W., 80

## Subdivision of T.5 S., R.5 W.-Continued.

Chains	lks.dist., marked T 5 S R 5 W S 31 B T. A pinon pine, 13 ins. diam., bears N. 26° W., 20 lks.dist., marked T 5 S R 5 W S 30 B T.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.
	<hr/>
	S. 89° 58' E., on a random line bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.08	Intersect N. and S. line, 10 lks. S. of the cor. of secs. 28, 29, 32, and 33.
	Thence I run
	S. 89° 58' W., on a true line bet. secs. 29 and 32.
	Over mountainous land; through heavy timber.
	Ascend .
6.00	Top of spur, 30 ft. above sec.cor., bears N. and S.
	Descend .
18.00	Bottom of hollow, 100 ft. below spur, course N. 30° E.
	Ascend .
26.50	Top of ridge, 150 ft. above hollow, bears N. 30° E. and S. 30° W.
	Descend .
40.04	Set a limestone, 18x12x3 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face; from which A pinon pine, 9 ins. diam., bears N. 10° E., 70 lks.dist., marked $\frac{1}{4}$ S 29 B T. A pinon pine, 7 ins. diam., bears S. 30° W., 55 lks. dist., marked $\frac{1}{4}$ S 32 B T.
64.00	Begin steep descent, bears NE and SW.
75.75	Bottom of hollow, 300 ft. below ridge, course NE .
	Ascend .
80.08	The cor.of secs. 29, 30, 31, and 32.

Subdivision of T.5-S., R.5.W.-Continued.

- |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chains | Land, mountainous.<br>Soil, gravelly; 3rd rate.<br>Timber, cedar and pinon pine.<br>Mountainous or heavily timbered land, 80.08 chs.<br>November 20, 1903: At this cor. I set off $19^{\circ} 32' S.$ , on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is $40^{\circ} 01' N.$ , which is the proper lat. nearly.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <hr/>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|        | N. $89^{\circ} 58' W.$ , on a random line bet. secs. 30 and 31.<br>Set temp. $\frac{1}{4}$ sec. cor.<br>Intersect W. bdy. of Tp., at the cor. of secs. 25, 30, 31, and 36, heretofore described.<br>Thence I run<br>$89^{\circ} 58' E.$ , on a true line bet. secs. 30 and 31.<br>Over mountainous land; through heavy timber.<br>Ascend.<br>Top of ridge, 150 ft. above sec. cor., bears N. $20^{\circ} E.$ and S. $20^{\circ} W.$<br>Descend.<br>Set a sandstone, 16x12x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which<br>A cedar, 11 ins. diam., bears N. $2^{\circ} E.$ , 22 lks.<br>dist., marked $\frac{1}{4}$ S 30 B.T.<br>A pinon pine, 16 ins. diam., bears S. $6^{\circ} E.$ , 80 lks. dist., marked $\frac{1}{4}$ S 31 B.T.<br>Bottom of hollow, 250 ft. below ridge, course NE.<br>Ascend.<br>Top of ridge, 250 ft. above hollow, bears NE and SW.<br>Descend.<br>The cor. of secs. 29, 30, 31, and 32.<br>Land, mountainous.<br>Soil, gravelly; 3rd rate. |

## Subdivision of T.5 S. R.5 W.-Continued.

Chains Timber, cedar, pinon pine, and red pine.

Good grass for grazing.

Mountainous or heavily timbered land, 77.98 chs.

N.0° 4' W., bet. secs. 29 and 30.

Over mountainous land; through heavy timber.

Ascend .

6.00 Top of ridge, 75 ft. above sec.cor., bears NE and SW.

Descend .

25.00 Bottom of hollow, 125 ft. below ridge, course N.80° E.

Ascend .

35.00 Top of ridge, 150 ft. above hollow, bears N.80° E. and S. 80° W.

Descend .

40.00 Set a sandstone, 20x10x4 ins., 15 ins. in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W. face; from which

A pinon pine, 4 ins. diam., bears S.85° E., 32 lks. dist., marked  $\frac{1}{4}$  S 29 B T.

A pinon pine, 14 ins. diam., bears S.85° W., 30 lks. dist., marked  $\frac{1}{4}$  S 30 B T.

50.00 Begin more abrupt descent, bears N.80° E. and S.80° W.

68.00 Foot of descent, 300 ft. below ridge, bears N.80° E. and S. 80° W.

Leave timber and enter dense undergrowth, bears N.80° E. and S.80° W.

Enter bottom of branch of Sower's Canon.

76.00 Old wagon road, bears N.60° E. and S.60° W.

78.00 Leave canon bottom and begin ascent, bears N.85° E. and S.85° W.

Leave undergrowth and enter scattering timber, bears N.85° E. and S.85° W.

80.00 Set a sandstone, 30x10x6 ins., 22 ins. in the ground, for

## Subdivision of T.5 S., R.5 W.-Continued.

Chains cor. of secs. 19, 20, 29, and 30, marked with 2 notches on S. and 5 notches on E. edges; from which

A pinon pine, 14 ins. diam., bears N.  $19^{\circ}$  E., 70 lks. dist., marked T 5 SR 5 W S 20 B T.

A pinon pine, 10 ins. diam., bears S.  $86^{\circ}$  E., 85 lks. dist., marked T 5 S R 5 W S 29 B T.

A pinon pine, 16 ins. diam., bears S.  $2^{\circ}$  W., 32 lks. dist., marked T 5 S R 5 W S 30 B T.

A pinon pine, 20 ins. diam., bears N.  $27^{\circ}$  W., 64 lks. dist., marked T 5 S R 5 W S 19 B T.

Land, mountainous and level.

Soil, gravelly; 3rd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush rabbit brush and greasewood.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

November 20, 1903.

November 21, 1903: At 8 h 2 m a.m., l.m.t., I set off  $40^{\circ} 02' N.$ , on the lat. arc;  $19^{\circ} 40' S.$ , on the decl. arc; and determine a meridian, with the solar, at the cor. of secs. 19, 20, 29, and 30.

Thence I run

E.  $89^{\circ} 58' E.$ , on a random line bet. secs. 20 and 29.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.04 Intersect N. and S. line, 3 lks. N. of the cor. of secs. 20, 21, 28, and 29.

Thence I run ..

S.  $89^{\circ} 59' W.$ , on a true line bet. secs. 20 and 29.  
Over mountainous land; through heavy timber .

Subdivision of T 5 S R 5 W -Continued

Chains	Ascend .
2.50	Top of spur, 50 ft. above sec.cor., bears N. and S.
	Descend .
8.50	Bottom of hollow, 150 ft. below spur, course N. 10° E.
	Ascend .
11.50	Top of spur, 150 ft. above hollow, bears N. and S.
	Descend .
21.50	Bottom of hollow, 200 ft. below spur, course N. 25° E.
	Ascend .
27.50	Top of spur, 250 ft. above hollow, bears N. 30° E. and S. 30° W.
	Descend .
40.02	A pinon pine, 3 ins. diam., for $\frac{1}{4}$ sec.cor, mark $\frac{1}{4}$ S 20 on N, and 29 on S. sides; from which  A pinon pine, 8 ins. diam., bears N. 40° W., 40 lks. dist., marked $\frac{1}{4}$ S 20 B T.  A pinon pine, 10 ins. diam., bears S. 10° E., 54 lks. dist., marked $\frac{1}{4}$ S 29 B T.
58.00	Foot of descent, 250 ft. below ridge, bears N. 80° E. and S. 80° W.  Leave timber and enter dense undergrowth, bears N. 80° E. and S. 80° W.  Enter branch of Sower's Canon.
64.00	Old road, bears N. 80° E. and S. 80° W.
72.00	Leave undergrowth and enter heavy timber, bears N. 80° E. and S. 80° W.  Leave canon bottom and begin ascent, bears N. 80° E. and S. 80° W.
80.04	The cor.of secs. 19, 20, 29. and 30.  Land, mountainous and level  Soil, gravelly; 3rd rate.  Timber, cedar and pinon pine.  Undergrowth, sage brush and greasewood. Good grass for grazing.  Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.04 chs.

Subdivision of T 5 S , R 5 W -Continued

Chains	
	N. 89° 58' W., on a random line bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
77.77	Intersect W.bdy.of Tp., 3 lks.S.of the cor.of secs. 19, 24, 25, and 30, heretofore described. Thence I run S. 89° 57' E., on a true line bet. secs. 19 and 30. Over mountainous land; through dense undergrowth. Descend .
6.50	Bottom of Cottonwood Canon, 25 ft. below sec.cor., course N. 25° E. Ascend .
10.00	Enter heavy timber, bears N. 30° E. and S. 30° W.
37.77	Set a sandstone, 16 x 8 x 5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face; from which A cedar, 8 ins. diam., bears N. 10° E., 15 lks. dist., marked $\frac{1}{4}$ S 19 B T. A cedar, 9 ins. diam., bears S. 10° W., 65 lks. dist., marked $\frac{1}{4}$ S 30 B T.
47.75	Top of ridge, 500 ft. above canon, bears N. 60° E. and S. 60° W. Descend .
52.75	Begin abrupt descent, bears N. 60° E. and S. 60° W.
77.77	The cor.of secs. 19, 20, 29, and 30. Land, mountainous. Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, or land, covered with dense undergrowth, 77.77 chs. November 21, 1903: At this cor. I set off 19° 46' S., on the decl.arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40° 02' N., which

Subdivision of T 5 S .R 5 W -Continued.

Chains      is the proper lat.nearly.

- N.0° 4'W.,betsecs.19 and 20.  
Over mountainous land;through heavy timber.  
Ascend .  
12.00 Top of steep ascent,bears N.80° E.and S.80° W.  
Thence ascend more gradually.  
16.00 Top of ridge, 400 ft.above sec.cor.,bears N.80° E.and S.80° W.  
Descend .  
28.00 Begin more abrupt descent,bears N.80° E.and S.80° W.  
39.50 Bottom of hollow,250 ft.below ridge,course NE  
Ascend .  
40.00 Set a sandstone,18x9x5ins.,12 ins.in the ground,for  
 $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;from which  
A cedar,16 ins.diam.,bears N.87° E.,32 lks.  
dist.,marked  $\frac{1}{4}$  S 20 B T:  
A pinon pine,7 ins.diam bears N.82° W.,81  
lks:dist.,marked  $\frac{1}{4}$  S 19 B T.  
52.00 Top of ridge,200 ft.above hollow,Bears N.20° E.and S.  
20° W.  
Descend .  
80.00 Set a sandstone,18x9x 4 ins.12 ins.in the ground,for  
cor.of secs.17,18,19, and 20,marked with 3 notches  
on S.and 5 notches on E.edges;fróm which  
A cedar,8 ins.diam.,bears N.85° E.,110 lks.  
dist.,marked T 5 S R 5 W S 17 B T.  
A cedar,20 ins.diam;,bears S.70° E.,130  
lks.dist.,marked T 5 S .,R. 5 W S 20 B T.  
A cedar,16 ins.diam.,bears S.40° W.,125  
lks.dist.,marked T 5 S R 5 W S 19 B T.  
A cedar, 8 ins.diam.,bears N.75° W.,90  
lks.dist.,marked T 5 S R 5 W S 18 B T.

Subdivision of T.5 S. R.5 W. -Continued.

- |        |                                                                                                                                                                                                                                                                                                                                                                                         |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chains | <p>Land, mountainous.</p> <p>Soil, gravelly; 3rd rate.</p> <p>Timber, cedar and pinon pine.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, 80.00 chs.</p> <hr/>                                                                                                                                                                                            |
|        | <p>N. 89° 59' E., on a random line bet. secs. 17 and 20.</p>                                                                                                                                                                                                                                                                                                                            |
| 40.00  | <p>Set temp. <math>\frac{1}{4}</math> sec. cor.</p>                                                                                                                                                                                                                                                                                                                                     |
| 80.26  | <p>Intersect N. and S. line, 5 lks. N. of the cor. of secs. 16, 17, 2 and 21.</p> <p>Thence 1 run</p> <p>↓ N. 89° 59' W., on a true line bet. secs. 17 and 20.</p> <p>Over mountainous land; through heavy timber.</p> <p>Descend</p>                                                                                                                                                   |
| 40.13  | <p>Set a sandstone, 16x14x4 ins., 11 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked <math>\frac{1}{4}</math> on N. face; from which</p> <p>A pinon pine, 10 ins. diam., bears N. 10° E., 16 lks. dist., marked <math>\frac{1}{4}</math> S 17 B T.</p> <p>A pinon pine, 10 ins. diam., bears S. 53° E., 18 lks. dist., marked <math>\frac{1}{4}</math> S 20 B T.</p> |
| 43.00  | <p>Bottom of hollow, 300 ft. below sec. cor., course N. 25° E.</p> <p>Ascend</p>                                                                                                                                                                                                                                                                                                        |
| 55.00  | <p>Top of ridge, 300 ft. above hollow, bears N. 20° E. and S. 20° W.</p> <p>Descend</p>                                                                                                                                                                                                                                                                                                 |
| 64.00  | <p>Bottom of hollow, 200 ft. below a ridge, course N.</p> <p>Ascend</p>                                                                                                                                                                                                                                                                                                                 |
| 69.00  | <p>Top of spur, 120 ft. above hollow, bears N. and S.</p> <p>Descend</p>                                                                                                                                                                                                                                                                                                                |
| 80.26  | <p>The cor. of secs. 17, 18, 19, and 20.</p> <p>Land, mountainous.</p> <p>Soil, gravelly; 3rd rate.</p> <p>Timber, cedar and pinon pine</p>                                                                                                                                                                                                                                             |

## Subdivision of T. 5 S. - R. 5 W. -Continued

Chains Good grass for grazing.

Mountainous or heavily timbered land, 80.26 chs.

November 21, 1903.

November 22, 1903: At 8 h 3 m a.m., l.m.t., I set off  $40^{\circ}03'$  N., on the lat. arc;  $19^{\circ}54'S.$ , on the decl. arc; and determine a meridian, with the solar, at the cor. of secs. 17, 18, 19, and 20.

Thence I run

N.  $89^{\circ}57'$  W., on a random line bet. secs. 18 and 19.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

77.62 Intersect W. bdy. of Tp., 9 lks. S. of the cor. of secs. 13, 18, 19, and 24, heretofore described.

Thence I run

S.  $89^{\circ}53'$  E., on a true line bet. secs. 18 and 19.

Over mountainous land; through heavy timber.

Ascend .

34.00 Top of ridge, 150 ft. above sec. cor., bears N.  $30^{\circ}$  E. and S.  $30^{\circ}$  W. This is the divide between Cottonwood and Indian Canons.

Descend .

37.62 Set a sandstone, 16x11x4 ins., 11 ins. in the ground, for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which

A cedar, 8 ins. diam., bears N.  $20^{\circ}$  W., 15 lks.

dist., marked  $\frac{1}{4}$  S 18 B T.

A pinon pine, 20 ins. diam., bears S.  $5^{\circ}$  W., 65

lks. dist., marked  $\frac{1}{4}$  S 19 B T.

53.60 Foot of descent, 350 ft. below ridge, bears NE and SW.

Leave timber and enter dense undergrowth, bears NE and SW.

Enter bottom of Cottonwood Canon.

58.80 Wash, 10 lks. wide, 4 ft. deep, course N.  $60^{\circ}$  E.

60.50 Leave canon bottom and begin ascent, bears N.  $60^{\circ}$  E. and S.  $60^{\circ}$  W.

Subdivision of T. 5 S., R. 5 W.-Continued.

Chains Leave undergrowth and enter scattering timber, bears N. 60° E. and S. 60° W.  
67.50 Top of spur, 250 ft. above canon, bears N. 30° E. and S. 30° W.  
Descend  
71.60 Bottom of hollow, 130 ft. below spur, course N. 30° E.  
Ascend  
77.62 The cor. of secs. 17, 18, 19, and 20.  
Land, mountainous and level.  
Soil, gravelly; 3rd rate.  
Timber, cedar and pinon pine.  
Undergrowth, sage brush.  
Good grass for grazing.  
Mountainous or heavily timbered land, or land covered with dense undergrowth, 77.62 chs.

---

N. 0° 4' W., bet. secs. 17 and 18.  
Over mountainous land; through scattering timber and dense undergrowth.  
Descend  
9.00 Foot of descent, 250 ft. below sec. cor., bears N. 60° E. and S. 60° W.  
Leave timber, bears N. 60° E. and S. 60° W.  
Enter bottom of Cottonwood Canon.  
15.00 Wash, 50 lks. wide, 50 ft. deep, course NE.  
18.00 Leave canon bottom, bears N. 60° E. and S. 60° W.  
Leave undergrowth and enter heavy timber, bears N. 60° E. and S. 60° W.  
Ascend  
23.00 Top of spur, 200 ft. above canon, bears N. 80° E. and S. 80° W.  
Descend  
28.00 Bottom of hollow, 120 ft. below spur, course E.  
Ascend

Subdivision of T 5 S - R 5 W -Continued

Chains	
40.00	Set a sandstone, 20x11x4 ins., 15 ins. in the ground, for 1/4 sec.cor., marked $\frac{1}{4}$ on W. face; from which A pinon pine, 10 ins. diam., bears N. 50° E., 17 lks. dist., marked $\frac{1}{4}$ S 17 B T. A pinon pine, 12 ins. diam., bears S. 40° W., 55 lks. dist., marked $\frac{1}{4}$ S 18 B T.
55.00	Top of ridge, 300 ft. above hollow, bears NE and SW. Descend .
77.00	Bottom of hollow, 250 ft. below ridge, course NE. Ascend .
80.00	Set a sandstone, 24x16x8 ins., 18 ins. in the ground, for cor. of secs. 7, 8, 17, and 18, marked with 4 notches on S. and 5 notches on E. edges; from which A cedar, 16 ins. diam., bears N. 35° E., 235 lks. dist., marked T 5 S R 5 W S 8 B T. A pinon pine, 14 ins. diam., bears S. 55° E., 425 lks. dist., marked T 5 S R 5 W S 17 B T. A cedar, 20 ins. diam., bears S. 25° W., 285 lks. dist., marked T 5 S R 5 W S 18 B T. A cedar, 14 ins. diam., bears N. 45° W., 228 lks. dist., marked T 5 S R 5 W S 7 B T. Land, mountainous and level. Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

November 22, 1903: At this cor. I set off 19° 59' S., on the  
decl. arc; and at 0 h 2 m pm., l.m.t., I observe the sun on  
the meridian, the resulting lat. is 40° 04' N., which is the  
proper lat. nearly .

## Subdivision of T 5 S. R. 5 W.-Continued.

Chains	S.89° 59'E., on a random line bet.secs.8 and 17.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.44	Intersect N.and S.line,14 lks.S.of the cor.of secs. 8,9,16, and 17.
	Thence I run
	S.89° 55'W.,on a true line bet.secs.8 and 17.
	over mountainous land;through heavy timber.
	Descend .
8.00	Bottom of hollow,25 ft.below sec.cor.,course N.65°E.
	Ascend .
20.00	Top of ridge,100 ft.above hollow,bears N.70°E.and S. 70°W.
	Descend .
32.00	Bottom of hollow,40 ft.below ridge,course N.70°E.
	Ascend .
36.00	Top of ridge,50 ft.above hollow,bears N.50°E.and S. 50°W.
	Descend .
40.22	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which
	A pinon pine,8 ins.diam,bears N.66°E.,55 lks.dist.,marked $\frac{1}{4}$ S 8 B T.
	A pinon pine,5 ins.diam, bears S.20°W.,60 lks.dist.,marked $\frac{1}{4}$ S 17 B T.
44.00	Bottom of hollow,120 ft.below ridge,course N.
	Ascend .
48.00	Top of ridge,150 ft.above hollow,bears N.10°E.and S.10°W.
	Descend .
54.00	Bottom of hollow,200 ft.below ridge,course N.10°E.
	Ascend .
65.00	Top of ridge,200 ft.above hollow,bears N.20°E.and S.20°W.
	Descend .

## Subdivision of T 5 S - R 5 W /Continued

Chains

- 77.40 Bottom of hollow, 150 ft. below ridge, course NE.  
Ascend through scattering undergrowth.
- 80.44 The cor. of secs. 7, 8, 17, and 18.  
Land, mountainous.  
Soil, gravelly, 3rd rate.  
Timber, cedar and pinon pine.  
Undergrowth, sage brush.  
Good grass for grazing.  
Mountainous or heavily timbered land, 80.44 chs.
- 

N. 89° 53' W., on a random line bet. secs. 7 and 18.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 77.55 Intersect W. bdy. of Tp., 12 lks. S. of the cor. of secs. 7, 12, 13, and 18, heretofore described.  
Thence I run  
    S. 89° 48' E., on a true line bet. secs. 7 and 18.  
Over mountainous land; through heavy timber.  
Descend .
- 36.50 Bottom of hollow, 300 ft. below sec. cor., course N. 20° W.  
Ascend .
- 37.55 Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which  
    A pinon pine, 11 ins. diam, bears N. 5° W., 35  
    lks. dist., marked  $\frac{1}{4}$  S 7 B T.  
    A pinon pine, 8 ins. diam, bears S. 10° W., 38  
    lks. dist., marked  $\frac{1}{4}$  S 18 B T.
- 66.50 Top of ridge, 250 ft. above hollow, bears N. 20° E. and S. 20° W. Divide between Indian and Cottonwood Canons.  
Descend .
- 77.55 The cor. of secs. 7, 8, 17, and 18.  
Land, mountainous.

Subdivision of T 5 S R 5 W -Continued.

Chains	Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 77.55 chis.
--------	--------------------------------------------------------------------------------------------------------------------------------------------

November 22, 1903.

November 23, 1903: At 8 h 2 m a.m., l.m.t., I set off  $40^{\circ} 04' N.$ , on the lat. arc;  $20^{\circ} 07' S.$ , on the decl. arc; and determine a meridian, with the solar, at the cor. of secs. 7, 8, 17, and 18.

Thence I run

$N.0^{\circ} 4' W.$ , bet. secs. 8 and 7.

Over mountainous land; through heavy timber.

Ascend .

16.00 Top of ridge, 250 ft. above sec. cor., bears N.  $60^{\circ} E.$  and S.  $60^{\circ} W.$  Divide between Indian and Cottonwood Canons.

Descend .

39.00 Bottom of hollow, 200 ft. below ridge, course N.  $20^{\circ} W.$

Ascend .

40.00 Set a sandstone,  $18 \times 8 \times 4$  ins., 12 ins. in the ground, for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{2}$  on W. face; from which

A cedar, 5 ins. diam, bears N.  $30^{\circ} E.$ , 55 lks.

dist., marked  $\frac{1}{4}$  S 8 B T.

A cedar, 8 ins. diam, bears N.  $75^{\circ} W.$ , 120 lks.

dist., marked  $\frac{1}{2}$  S 7 B T.

50.00 Top of ridge, 200 ft. above hollow, bears E. and W.

Descend .

61.50 Bottom of hollow, 350 ft. below ridge, course N.  $50^{\circ} E.$

Ascend .

71.00 Top of ridge, 400 ft. above hollow, bears N.  $80^{\circ} E.$  and S.  $80^{\circ} W.$

Descend .

Subdivision of T.5 S., R.5 W.-Continued.

Chains

80.00 Set a sandstone, 16x10x4 ins., 11 ins. in the ground, for cor. of secs. 5, 6, 7, and 8, marked with 5 notches on S., and E. edges; from which

A pinon pine, 12 ins. diam., bears N. 38° E., 73 lks. dist., marked T 5 S R 5 W S 5 B T.

A pinon pine, 7 ins. diam., bears S. 41° E., 60 lks. dist., marked T 5 S R 5 W S 8 B T.

A pinon pine, 5 ins. diam., bears S. 15° W., 47 lks. dist., marked T 5 S R 5 W S 7 B T.

A pinon pine, 3 ins. diam., bears N. 70° W., 30 lks. dist., marked T 5 S R 5 W S 6 B T.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, cedar and pinon pine,

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

N. 89° 55' E., on a random line bet. secs. 5 and 8.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.32 Intersect N. and S. line, 3 lks. N. of the cor. of secs. 4, 5, 8, and 9.

Thence I run

S. 89° 56' W., on a true line bet. secs 5 and 8.

Over mountainous land ; through scattering timber.

Descend .

24.00 Bottom of hollow, 40 ft. below sec. cor., bourse N. 50° E.

Ascend .

Enter dense undergrowth. ... line, 100 ft. S. S.

40.16 Set a sandstone, 16x10x4 ins., 11 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which

, A pinon pine, 10 ins. diam., bears N. 10° E.,

Subdivision of T 5 S .R 5 W.-Continued.

Chains	100 lks.dist.,marked $\frac{1}{4}$ S 5 B T.
	A pinon pine,10 ins.diam,bears S.2°E.,40 lks. dist.,marked $\frac{1}{4}$ S 8 B T.
44.50	Top of ridge,200 ft.above hollow,bears N.and S. Descend . Divide between Indian and Cottonwood Canons.
65.50	Bottom of canon,250 f' below spur,course N.10°W. Ascend.
76.00	Top of spur, 150 ft.above canon,bears N.20°W.and S.20°E Descend.
80.32	The cor.of secs.5,6,7, and 8.  Land,mountainous.  Soil,gravelly;3rd rate.  Timber,cedar and pinon pine.  Good grass for grazing.  Mountainous land, or land covered with dense undergrowth, 80.32 chs.
	November 25,1903:at the noon hour the sky is overcast and solar observations are impossible.

	N.89°48'E.,on a random line betsecs.6 and 7.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
77.42	Intersect W.bdy.of Tp.,14 lks.S.of the cor.of secs. 1,6,7, and 12,heretofore described  Thence I run  S.89°42'E.,on a true line betsecs.6 and 7; Over mountainous land;through scattering timber. Ascend .
15.50	Top of ridge,50 ft.above sec.cor.,bears N.25°E.and S.25° W.  Descend.
12.50	Bottom of hollow,125 ft.below ridge,course N.25°E. Ascend
22.50	Top of ridge,250 ft.above hollow,bears N.25°E.and S.25° W.  Descend
29.50	Bottom of hollow,200 ft.below ridge,course N.20°E.

Subdivision of T. 5 S., R. 5 E., -Continued.

Chains	Ascend .
37.42	Set a sandstone, 16x12x3 ins., 11 ins. in the ground, for sec.cor., marked $\frac{1}{2}$ on N. face; from which A pinon pine, 10 ins. diam., bears N. 5° W., 75. lks. dist., marked $\frac{1}{2}$ S 6 B T. A pihon pine, 8 ins. diam., bears S. 10° W., 33. lks. dist., marked $\frac{1}{2}$ S 7 B T.
52.50	Top of spur, 100 ft. above hollow, bears N. and S. Descend .
60.00	Bottom of hollow, 150 ft. below ridge, course N. Ascend .
63.00	Top of spur, 60 ft. above hollow, bear's N. and S. Descend .
67.00	Bottom of hollow, 60 ft. below spur, course N. 20° W. Ascend .
77.42	The cor.of secs. 5,6,7, and 8. Land, mountainous. Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. Undergrowth, sage brush. Good grass for grazing. Mountainous land, 77.42 ehs.

N. 0° 4' W., on a true line bet. secs. 5 and 6.

Over mountainous land; through heavy timber.

Ascend gradually.

18.00 Top of spur, 100 ft. above sec.cor., bears N. 20° W. and S. 20° E.

Descend .

40.00 Set a sandstone, 14x12x4 ins., 9 ins. in the ground, for  
sec.cor., marked  $\frac{1}{2}$  on W. face; from which

A pinon pine, 5 ins. diam., bears S. 80° E., 40.  
lks. dist., marked  $\frac{1}{2}$  S 5 B T.

73 BOOK A-808

Subdivision of T. 5 S., R. 5 W.-Continued.

Chains	A pinon pine, 5 ins. diam., bears S. 53° W., 40 lks. dist., marked $\frac{1}{2}$ S 6 B.T.
72.00	Bottom of hollow, 500 ft. below spur, course NE. Ascend.
79.90	Intersect 1st Standard Parallel South, 10.60 chs. East of the standard cor. of secs. 31 and 32, which is a sandstone, 6x12x5 ins. above ground, firmly set, and marked and witnessed as described by Deputies Stewart and Booth. Set a limestone, 30x12x4 ins., 22 ins. in the ground, for closing cor. of secs. 5 and 6, marked C C on S., with 5 grooves on E. and 1 groove on W. faces; from which
	A pinon pine, 8 ins. diam., bears S. 18° E., 66 lks. dist., marked T 5 S R5 W S 5 B T.
	A pinon pine, 10 ins. diam., bears S. 32° W., 51 lks. dist., marked T 5 SR 5 W S 6 B T.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 79.90 chs.

November 23, 1903.

---

GENERAL DESCRIPTION.

This township is rough and mountainous. The soil is nearly all gravelly; 3rd rate; in the bottom of Sower's Canon there is some good farming land, with irrigation. The township is well timbered with cedar and pinon pine and some red pine.

The township affords good winter and early spring grazing.

In Sower's Canon there is sufficient water to supply the cattle and horses that find pasturage in that local-

Subdivision of T.5 S., R.5 W. -Continued.

Chains

ity.

There are no settlers in the township.

There is no mineral in the township.

*John R. Stewart*  
U.S. Deputy Surveyor.

**Volume**

**#**

**R0308**

**FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS**

**LIST OF NAMES**

A list of the names of the individuals employed by Robert P. Stewart and  
Charles G. Stewart, United States Deputy Surveyor<sup>s</sup> to assist in running, measuring, and  
marking the lines and corners described in the foregoing field notes of the survey of Subdivision of  
the City of St. Paul; Pl. No. 1, R. 21; Pl. No. 1, R. 25, 26;  
of the Minnehaha Special Base and Sheridan State,  
showing the respective capacities in which they acted:

*Eliot Stewart* ..... Chairman

Angus W. MacLennan, Chairman.

*Cassie McKeith*, Moundman.

Seller Wines, Moundman.

*John E. Clark*, Axman.

*Parcoblattella sulcata*, Axman.

**FINAL OATH OF ASSISTANTS**

Almae Peterson	Chairman.
Eugene M. Woodbury	Chairman.
James Merritt	Moundman.
Gilbert Peterson	Moundman.
John E. Clark	Axman.
Doris F. Peterson	Axman.
Leslie R. Peterson	Flagman.

Subscribed and sworn to before me this 2nd day of

day of 1 December, 1993.

John R Stewart

U.S. Deputy Surveyor.



## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John R Stewart, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H Anderson Utah, bearing date of the United States Surveyor General for 22<sup>nd</sup> day of July, 1903, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Subdivision of T.5 S. R. 12 T.6 S. R. 4 W.; T.6 S. R. 5 W.; and T.5 S. R. 5 W.

of the Uintah Special Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

John R Stewart  
United States Deputy Surveyor

Subscribed by said John R Stewart, and sworn to before me  
this 18<sup>th</sup> day of August, 1903.



Edward H Anderson  
U.S. Surveyor General for Utah

## APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 18, 1903

The foregoing field notes of the survey of Subdivision of Township No. 5 Section No. 5 West, of the Uintah Special Base and Meridian, Utah.

executed by John R. Stewart and Andy J. Stewart,  
under his contract No. 271, dated July 22, 1903, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H Anderson  
United States Surveyor Gen

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

United States Surveyor Cc

22

---

**BLANK**

**PAGE**

---

**BLANK**

**PAGE**

J. F. B.  
O. S.

FILED

SEP 12, 1904

BOOK A-308

W.H.  
✓  
retracement  
OF THE SURVEY OF THE

FIRST STANDARD PARALLEL SOUTH

through

Range No. 3 West

Of the UNTAH SPECIAL BASE AND Meridian,

STATE OF UTAH

AS SURVEYED BY

John L. Stewart and Andy J. Stewart, United States Deputy Surveyors

Under their Contract No. 271, dated July 22, 1903., 1898

Survey commenced May 10, 1904., 1898

Survey completed May 14, 1904., 1899

6-161

Low 3 E oblique  
 Day 11-81

## NAMES AND DUTIES OF ASSISTANTS.

J. Franklin Duffin Chairman  
Angus M. Hoobury Chairman  
John T. Hoobury Jr. Moundman  
William Burridge Moundman  
Quincy Stewart Axman  
George H. Harten Axman  
Ashton S. Neubauer Flagman

BOOK A-308

INDEX DIAGRAM.

Township 5 South, Range 3 West

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, J. Franklin Duffin and Argus M. Woodbury, do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey-of retracement of the 1<sup>st</sup> St. Par. S., through R. 3<sup>rd</sup>, Uintah Special Base and Meridian, Utah.

J. Franklin Duffin, Chainman.  
Argus M. Woodbury, Chainman.

Subscribed and sworn to before me this 12<sup>th</sup> }  
day of May 1904, 189 }



John P. Stewart  
U. S. Deputy Surveyor

WE, John T. Woodbury Jr. and William Burridge, do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey-of retracement of the 1<sup>st</sup> St. Par. S., through R. 3<sup>rd</sup>, Uintah Special Base and Meridian, Utah.

John T. Woodbury Jr., Moundman.  
William Burridge, Moundman.

Subscribed and sworn to before me this 12<sup>th</sup> }  
day of May 1904, 189 }



John P. Stewart  
U. S. Deputy Surveyor

WE, Quincy Stewart and George H. Harther, do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey-of retracement of the 1<sup>st</sup> St. Par. S., through R. 3<sup>rd</sup>, Uintah Special Base and Meridian, Utah.

Quincy Stewart, Axman.  
George H. Harther, Axman.

Subscribed and sworn to before me this 12<sup>th</sup> }  
day of May 1904, 189 }



John P. Stewart  
U. S. Deputy Surveyor

I, Ashford S. Gubben, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the retracement of the 1<sup>st</sup> St. Par. S., through R. 3<sup>rd</sup>, Uintah Special Base survey-of and Meridian, Utah.

Ashford S. Gubben, Flagman.

Subscribed and sworn to before me this 12<sup>th</sup> }  
day of May 1904, 189 }



John P. Stewart  
U. S. Deputy Surveyor

retracement of 1st Standard Parallel South, through Range 3 West.

Survey commenced May 13, 1904, and executed with a Young and Sons, light mountain transit, No. 7382, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the mer. at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on August 21, 1903.

I examine the adjustments of the instrument and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m., hours, with a mer. established by Polobsn., I proceed as follows:

At the closing cor. or Tp., 5 S., Rs. 3 and 4 W., heretofore described, latitude  $40^{\circ} 05' 28''$  N., longitude  $116^{\circ} 19' 14''$  W. I set off  $40^{\circ} 05'$  N., on the lat. arc;  $18^{\circ} 29'$  N., on the decl. arc; and at 4 h 2 m p.m., l.m.t., I determine a mer. with the solar, and mark a point thereon on a stone firmly set in the ground, 5.00 chs. N. of the cor.

May 13, 1904.

---

May 14, 1904: At 4 h 5 m a.m., l.m.t., I obs. Pol. at eastern elong. in accordance with the Manual, and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs. N. of the cor.

At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris  $1^{\circ} 34.4'$  to the west, and mark the mer. thus determined, by cutting a small groove in the stone, already set 5.00 chs. N. of the cor.; this mark falls 30 ins. east of the mark determined with the solar.

	Retracement of the 1st Standard Parallel South through Range 3 W.
Chs.	At 7 h 3 m a.m., l.m.t., I set off $40^{\circ}05'N.$ , on the lat.arc; $18^{\circ}38'W.$ , on the decl.arc; and mark the mer.determined with the solar, by a cross on the stone already set 5.00 chs.N. of the cor.; this mark falls 0.30 ins.east of the mer. established by Pol obsn.; the solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about $0'16''$ west and $0'16''$ east of the mer. established by Pol. obsn.; therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the mer. at 7 h 30 m a.m., is N. $16^{\circ}28'W.$ ; the angle thus determined, gives the mag. decl. $16^{\circ}28'E.$
	Note: Before commencing the survey of T.5 S., R.3 W., I conclude to retrace the 1st Standard Parallel South through Range 3 W., with the exception of the S.bdy.secs. 31, which has already been retraced; therefore from the standard cor.of secs. 31 and 32, S.bdy.T.4 S., R.3 W., here-tofore described,
	I run
	East, on a retracement line on S.bdy.sec. 32.
40.00	The standard $\frac{1}{4}$ sec.cor., on S.bdy.sec. 32, which is sandstone, $5 \times 10 \times 5$ ins., above ground, firmly set, and marked and witnessed as described by the surveyor general, bears N.31 lks.dist.
80.00	The standard cor.of secs. 32 and 33, which is a limestone, $5 \times 12 \times 3$ ins., above ground, firmly set, and mkd, and witnessed as described by the surveyor general, bears N.62 lks. Dist.
	The course of this line is therefore N. $89^{\circ}34'E.$ , 80.00 chs.

Retracement of 1st Standard Parallel South through Range 3 W Cont

- chs.
- East, on a retrace line along S. side sec. 33,
- 40.13 The  $\frac{1}{2}$  sec. cor., on S. side sec. 33, which is a limestone, 5x11 x4 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears N. 31 lks. dist. The standard cor. of secs. 33 and 34, which is a limestone, 5x12x3 ins., above ground, firmly set, and rkd. and witnessed as described by the surveyor general, bears N. 61 lks. dist., the course of this line is therefore N. 89° 34' E., 80.24 chs.
- 40.50 East, on retrace line along south side sec. 34.
- The standard  $\frac{1}{2}$  sec. cor., on S. side sec. 34, which is a limestone, 6x14x4 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears N. 15 lks. dist.
- 81.01 The standard cor. of secs. 34 and 35, which is a limestone, 6x12x4 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears N. 30 lks. dist. The course of this line is therefore N. 89° 47' E.
- 81.01 chs.

From the standard cor. of secs. 34 and 35, just described I run

East, along south side sec. 35,  
Over rolling hills.

Desc.

2.00' Ridge, 10 ft. above sec. cor., bears N. 20° E. and S. 20° W.  
Desc.

Retracement-1st Standard Parallel South, through Range 3 W.-Concluded.

Chs.

- 10.84 Intersect South Boundary of the Uintah Indian Reservation.  
Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for  
closing standard cor. of frac. Tp. 4 S., R. 3 W., mkd. SCCCUI  
R 3 W, with 4 grooves on W., 4 S., with 6 grooves on N., and  
F L on E. faces; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$   
ft. high W. of cor.  
Land, rolling.  
Soil, sandy; 3rd rate.  
No timber.  
No grass.  
From the closing corner the half-mile corner between mile  
posts Nos. 25 and 26, on the boundary as established  
by A. H. and F. M. Brown, under their contract No. 264  
bears N. 19° E., 11.81 chs. dist.

11 a.m. May 14, 1904.

John R. Stewart,  
U.S. Deputy Surveyor.

BOOK A-308

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by John R. Stewart and Andy J. Stewart, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of retracement of the 1<sup>st</sup> St. Par. S., through R. 3 W., Glintah Special Base and Meridian, showing the respective capacities in which they acted:

J. Franklin Duffin, Chainman.  
Angus M. Woodbury, Chainman.  
John T. Woodbury Jr., Moundman.  
William Burridge, Moundman.  
Dunby Stewart, Axman.  
George W. Worthen, Axman.  
Ashton S. Nebeker, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John R. Stewart,

United States Deputy Surveyor, in surveying all those parts or portions of the 1<sup>st</sup> St. Par. S., through R. 3 W., Glintah Special Base and

of the meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for Utah.

J. Franklin Duffin, Chainman.  
Angus M. Woodbury, Chainman.  
John T. Woodbury Jr., Moundman.  
William Burridge, Moundman.  
Dunby Stewart, Axman.  
George W. Worthen, Axman.  
Ashton S. Nebeker, Flagman.

Subscribed and sworn to before me this 22nd

day of June 1904, 1886



John R. Stewart  
U.S. Deputy Surveyor.

**FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.**

John R. Stewart United States Deputy Surveyor, do  
solemnly swear that, in pursuance of a contract received from Edward H. Anderson,  
United States Surveyor General for Utah, bearing date of the  
12<sup>th</sup> day of July, 1903, I have well, faithfully, and truly, in my own  
proper person, and in strict conformity with the instructions furnished by the United States Surveyor  
General for Utah, the Manual of Surveying Instructions, and the laws of the  
United States, surveyed all those parts or portions of the 1st Standard Parallel  
south, through Range 3 West.

of the Uintah Special  
Base and Meridian, in the State of Utah, which are represented in the  
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly  
swear that all the corners of said survey have been established and perpetuated in strict accordance with  
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor  
General for Utah, and in the specific manner described in the field notes, and that  
the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer  
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1848.

John R. Stewart  
United States Deputy Surveyor.

Subscribed by said John R. Stewart, and sworn to before me  
this 12<sup>th</sup> day of September, 1904.

Edward H. Anderson  
U.S. Surveyor General  
for Utah

**APPROVAL.**

**OFFICE OF THE UNITED STATES SURVEYOR GENERAL.**

Salt Lake City, Utah, October 18, 1904.

The foregoing field notes of the 1st Standard Parallel South, through  
Range No. 3 West, of the Uintah Special Base and Meridian, Utah,

executed by John R. Stewart and Andy J. Stewart,  
under Contract No. 271, dated July 22, 1903, having been  
critically examined, and the necessary corrections and explanations made, the said field notes, and the  
transcript thereto, are hereby approved.

Edward H. Anderson  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in  
has been correctly copied from the original notes on file in this office.

United States Surveyor General.

**BLANK**

**PAGE**

**BLANK**

**PAGE**

FILED

Aug 19 1904

BOOK A-308

M.  
FIELD NOTES

X-70  
OR THE SURVEY OF THE

SOUTH BOUNDARY

of

Township No. 5 South, Range No. 5 West

Of the UNTAH SPECIAL BASE AND Meridian,  
STATE OF UATH

AS SURVEYED BY

John R. Stewart and Andy J. Stewart, United States Deputy Surveyor,

their  
Under ~~With~~ Contract No. 271, dated July 22, 1903, K89

Survey commenced May 14, 1904., K89

Survey completed May 15, 1904., K89

a-161

High 2 43.75  
Low 2 44

## NAMES AND DUTIES OF ASSISTANTS.

J. Franklin Duffin Chairman  
Angus M. Woodbury Chairman  
John T. Woodbury Jr. Moundman  
William Burridge Moundman  
Dunby Stewart Axman  
George W. Northern Axman  
Ashton S. Nebeke Flagman

Volume

#

R0308

BOOK A-308

INDEX DIAGRAM.

*Township 5 South, Range 3 West.*

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36
2	3	4			

*Meanders Page.*

## PRELIMINARY OATHS OF ASSISTANTS.

WE, J. Franklin Duffin and Angus M. Woodbury  
 do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the  
 chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that  
 we will report the true distances to all notable objects, and the true lengths of all lines that we assist in  
 measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of  
 the S. bdy. T. 5<sup>d</sup>, R. 3<sup>th</sup>; N. and W. bdy. T. 7<sup>d</sup>, R. 6<sup>th</sup>; and E. bdy. T. 5<sup>d</sup>, R. 6<sup>th</sup>, of the Uintah  
 Special Base and Meridian. It is  
 X

J. Franklin Duffin, Chainman.  
Angus M. Woodbury, Chainman.

Subscribed and sworn to before me this 12<sup>th</sup>  
 day of May 1904, 1899



John R Stewart  
 U.S. Deputy Surveyor

WE, John T. Woodbury Jr. and William Burridge  
 do solemnly swear that we will well and truly perform the duties of moundmen in the establishment  
 of corners, according to the instructions given us, to the best of our skill and ability, in the survey of  
 the S. bdy. T. 5<sup>d</sup>, R. 3<sup>th</sup>; N. and W. bdy. T. 7<sup>d</sup>, R. 6<sup>th</sup>; and E. bdy. T. 5<sup>d</sup>, R. 6<sup>th</sup>, of the  
 Uintah Special Base and Meridian. It is  
 X

John T. Woodbury Jr., Moundman.  
William Burridge, Moundman.

Subscribed and sworn to before me this 12<sup>th</sup>  
 day of May 1904, 1899



John R Stewart  
 U.S. Deputy Surveyor

WE, Samby Stewart and George H. Worthie  
 do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners  
 and other duties, according to instructions given us, to the best of our skill and ability, in the survey of  
 the S. bdy. T. 5<sup>d</sup>, R. 3<sup>th</sup>; N. and W. bdy. T. 7<sup>d</sup>, R. 6<sup>th</sup>; and E. bdy. T. 5<sup>d</sup>, R. 6<sup>th</sup>, of the  
 Uintah Special Base and Meridian. It is  
 X

Samby Stewart, Axman.  
George H. Worthie, Axman.

Subscribed and sworn to before me this 12<sup>th</sup>  
 day of May 1904, 1899



John R Stewart  
 U.S. Deputy Surveyor

I, Ashton S. Peleker, do solemnly swear that I will well and truly  
 perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the  
 survey of the S. bdy. T. 5<sup>d</sup>, R. 3<sup>th</sup>; N. and W. bdy. T. 7<sup>d</sup>, R. 6<sup>th</sup>; and E. bdy. T. 5<sup>d</sup>, R. 6<sup>th</sup>,  
 of the Uintah Special Base and Meridian. It is  
 X

Ashton S. Peleker, Flagman

Subscribed and sworn to before me this 19<sup>th</sup>  
 day of May 1904, 1899



John R Stewart  
 U.S. Deputy Surveyor

South Boundary of T 5 S R 3 W

Survey commenced May 14, 1904, and executed with a Young and Sons light mountain transit, No 7382, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah on August 21, 1903.

I examine the adjustments of the instrument, and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a mer. established by obsn. on Pol. I proceed as follows:

At the cor. of Tps. 5 and 6 S., Rs. 3 and 4 W., latitude  $40^{\circ} 00' 05''$  N., longitude  $110^{\circ} 19' 14''$  W., I set off  $40^{\circ} 00'$  N., on the lat. arc;  $18^{\circ} 44'$  N., on the decl. arc; and at 4 h 58'm p.m., l.m.t., determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

May 14, 1904.

---

May 15, 1904: At 3 h 53.22 m a.m., l.m.t. I obs. Pol. at eastern elong. in accordance with the Manual, and mark a point thereof, on a peg driven in the ground, 5.00 chs. N. of the cor.

At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris  $1^{\circ} 34.4'$  to the west, and mark a point in the mer. thus determined by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.58 ins. east of the mark determined with the solar.

At 7 h 2 m a.m., l.m.t., I set off  $40^{\circ} 00'$  N., on the lat. arc;  $18^{\circ} 52'$  N., on the decl. arc; and mark the mer. determined

South boundary of T.5 S., R.3 W.-Continued.

Chains with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.4 ins. east of the mer. established by Pol. obsn.

The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about 0'20" west and 0'21" east of the mer. established by Pol. obsn.; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 7 h 30 m a.m., is N.16° 28' W., the angle thus determined gives the mag. decl. 16° 28' E.

Note: There is no east boundary of this township, therefore in accordance with Special Instructions i run,

East, on a true line bet. secs. 6 and 31, from the cor. of Tps. 5 and 6 S., Rs. 3 and 4 W., heretofore described. Over mountainous land; through scattering timber.

Desc.

6.55 Foot of descent, 400 ft. below cor., bears N.30° E. and S.30° W.

Enter bottom of Antelope Canon.

Leave timber and enter dense greasewoods, bears N.30° E. and S.30° W.

11.37 Wash in canon, 25 lks. wide, 10 ft. deep, course N.30° E.

19.00 Leave canon bottom bears N.30° E. and S.30° W.

Leave undergrowth and enter heavy timber, bears N.30° E. and S.30° W.

Asc.

40.00 Set a sandstone, 16x7x5 ins., 11 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which

A cedar, 8 ins. diam., bears N.70° E., 49 lks.

dist., mkd.  $\frac{1}{4}$  S 31 B.T.

27

South boundary of T. 5 S. R. 3 W. -Continued

- Chs. A cedar, 10 ins. dia., bears S. 40° W., 50 lks.  
dist., mkd.  $\frac{1}{4}$  S 6 B T.
- 42.00 Top of divide ridge, bet. Antelope Canon and canons on east, 800 ft. above canon, bears N. 30° E. and S. 30° W.  
Desc. gradually.
- 50.00 Head of hollow, 75 ft. below ridge, course NE.  
Asc.
- 75.00 Top of ridge, 75 ft. above hollow, bears N. and SW.  
Leave heavy and enter scattering timber, bears with ridge. Desc.
- 80.00 Set a sandstone, 20x12x3 ins., 15 ins. in the ground, for cor. of secs. 5, 6, 31, and 32, marked with 5 notches on E. and 1 notch on W. edges; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
Land, mountainous.  
Soil, gravelly; 3rd rate.  
Timber, cedar and pinon pine.  
No grass. Undergrowth, greasewoods.  
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

---

Hast, on a true line bet. secn. 5 and 32.

Over mountainous land; through scattering timber.

Desc.

1.30 Bottom of hollow, 10 ft. below sec. cor., course NE.  
Asc.

18.30 Top of ridge, 150 ft. above hollow, bears NE and SW.  
Desc.

40.00 Bottom of hollow, 150 ft. below ridge, course NE.  
Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

60.00 Top of ridge, 200 ft. above hollow, bears NE and SW.  
Desc.

## South boundary of T. 5 S., R. 3 W.-Continued.

Chs.	
73.00	Bottom of hollow, 200 ft. below ridge, course N. 10° E.
	Asc.
78.00	Top of ridge, 100 ft. above hollow, bears N. 10° E. and S. 10° W.
	Desc.
80.00	Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for cor. of secs. 4, 5, 32, and 33, mkd. with 4 notches on E. and 2 notches on W. edges; from which
	A cedar, 12 ins. dia., bears N. 22° E., 119 lks. dist., mkd. T 5 S R 3 W S 33 B T.
	A pinon pine, 16 ins. dia., bears S. 66° E., 410 lks. dist., mkd. T 6 S R 3 W S 4 B T.
	A pinon pine, 8 ins. dia., bears S. 36° W., 94 lks. dist., mkd. T 6 S R 3 W S 5 B T.
	A cedar, 8 ins. dia., bears N. 46° W., 84 lks. dist., mkd. T 5 S R 3 W S 32 B T.
	Land, mountainous.
	Soil, sandy and white clay; 3rd rate.
	Timber, cedar and pinon pine.
	No grass.
	Mountainous land, 80.00 chs.
	East, on a true line bet. secs. 4 and 33.
	Over mountainous land; through scattering timber and dense sage brush.
	Desc.
4.00	Bottom of hollow, 100 ft. below sec. cor., course N. 30° E.
	Asc.
17.00	Top of rocky ridge, 120 ft. above hollow, bears NE and SW.
	Desc.
36.00	Bottom of hollow, 150 ft. below ridge, course NE.
	Asc.

South boundary of T.5 S., R.3 W.--Continued.

Chs.

40.00 Set a sandstone, 20x12x5 ins., 15 ins. in the ground, for  
½ sec.cor.. mkd.  $\frac{1}{4}$  on W. face; from which

A pinon pine, 8 ins. dia., bears N. 56° E., 170  
lks. dist.. mkd.  $\frac{1}{4}$  S 33 B T.

A cedar, 5 ins. dia., bears S. 33° E., 46 lks.  
dist.. mkd.  $\frac{1}{4}$  S 4 B T.

43.75 Intersect South Boundary of the Wintah Indian Reservation,  
Set a sandstone, 24x15x6 ins. 18 ins. in the ground, for  
closing cor.of frac.Tps.5 and 6 S., R.3 W., mkd.C C U I R  
with 3 grooves on W., 6 grooves on N., 6 grooves on S., and  
P L on E.faces; from which

A pinon pine, 16 ins. dia., bears N. 11° W., 117  
lks. dist.. mkd. T 5 S R 3 W S 33 B T.

A pinon pine, 8 ins. dia., bears S. 45° 30' W., 56  
lks. dist.., mkd. T 6 S R 3 W S 4 B T.

From the closing cor.the 32nd mile stone on the bdy.,  
as established by Deputies A.H. and F.M.Brown, bears as  
follows:

N. 3° 30' E., 2.44 chs. to mile tree No. 32.

Land, mountainous.

Soil, sandy and gravelly loam; 2nd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

No grass .

Mountainous land, or land covered with dense undergrowth,  
43.75 chs.

May 15, 1904: At this cor.I set off 18° 55' N., on the decl.  
arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the  
mer.the resulting lat.is 40° 00' N., which is the proper  
lat.nearly.

May 15, 1904.

BOOK A 300  
South boundary of T 5 S R 3 W.-Concluded..

BOUNDARIES of T .5 S.,R.3 W.

Latitudes, departures, and closing errors.

Line designated	True bearing	Dist- ance Chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
W.bdy.T.5 S.,R.3 W.	North	489.37	489.37			
1st Standard Par.S.	N.89° 34' E.	234.64	1.77		234.64	
1st Standard Par.S.	N.89° 47' E.	81.01	.31		81.01	
1st Standard Par.S.	East	10.84			10.84	
S.bdy.U.I.Reservation	S.19° W.	348.19		329.22		113.36
S.bdy.U.I.Reservation	S.3° 30' W.	162.44		162.14		8.92
S.bdy.T.5 S.,R.3 W.	West	203.75				203.75
Convergency					.31	
Totals			491.45	491.36	326.80	327.03
Error in lat.			<u>491.36</u>			<u>326.80</u>
Error in dep.						.23

GENERAL DESCRIPTION.

This frac.township is rather low rolling mountains; covered with scrubby cedar and pinon pine timber. It is best adapted for winter grazing. It should be subdivided.

*John R Stewart*  
U.S. Deputy Surveyor.

May 15, 1904.

**FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.**

**LIST OF NAMES.**

A list of the names of the individuals employed by . . .

. . . United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of . . .

showing the respective capacities in which they acted:

, Chainman.

C. S. V. , Chainman.

For final affidavits see book "Z" T. 5 S., R. 6 W., Moundman.

, Moundman.

, Axeman.

, Axeman.

, Flagman.

**FINAL OATH OF ASSISTANTS.**

We hereby certify that we assisted . . .

. . . United States Deputy Surveyor, in surveying all  
the parts or portions of the . . .

of the . . .

meridian, . . . of . . ., which are represented  
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey  
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the  
monuments established, according to the instructions furnished by the United States Surveyor  
General for . . .

, Chainman.

For final affidavits see book "Z" T. 5 S., R. 6 W., Chainman.

, Moundman.

, Moundman.

, Axeman.

, Axeman.

, Flagman.

scribed and sworn to before me this . . .  
day of . . ., 189 }  
} 100

100  
100

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..... United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ..... bearing date of the ..... day of ..... 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ..... the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

For final affidavits see book "Z" T. S. R. G. W. ....

..... of the ..... meridian, in the ..... of ..... which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said ..... and sworn to before me }  
this ..... day of ..... 189 }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, October 18, 1894.

The foregoing field notes of the survey of Part of the South Boundary of Township No. 5 South, Range No. 3 West, of the Uintah Special Base and Meridian, Utah.

executed by John R. Stewart and Andy J. Stewart, their contract No. 271, dated July 22, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Parker, Jr.  
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in ..... has been correctly copied from the original notes on file in this office.

United States Surveyor General

**BLANK**

**PAGE**

---

**BLANK**

**PAGE**

*A*  
4-679.

*O.W.C.  
R.F.B.*

**FILED**

AUG 29 1904

BOOK A-308

N.

# FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 5 South, Range No. 3 West

Of the UTM SPECIAL BASE LINE Meridian,

STATE OF UTAH

AS SURVEYED BY

John A. Stewart and Andy J. Stewart, United States Deputy Surveyor, S  
their  
der his Contract No. 271, dated July 22, 1903, 1898

Survey commenced May 26, 1904, 1898

Survey completed June 1, 1904, 1898

6-151

*Book 308-61  
A.J. 40-37*

## NAMES AND DUTIES OF ASSISTANTS.

J. Franklin Duffin ..... Chairman  
Angus M. Woodbury ..... Chairman  
John T. Woodbury Jr. ..... Moundman  
William Barridge ..... Moundman  
Quincy Stewart ..... Axman  
George H. Worthen ..... Axman  
Ashton S. Rebeker ..... Flagman

Volume

6-151

#

R0308

BOOK A-308

## INDEX DIAGRAM.

Township 5 South, Range 3 West.

6	14	5	28	4	37	3		2	1
12		27		33		36			
7	11	8	26	9	34	10		11	12
16		25		32		33			
18	9	17	24	16	31	15		14	13
8		23		30					
10	7	20	22	21		22		23	24
6		20		21					
30	4	29	19	28		27		26	25
3		16		17					
31	2	32	15	33		34		35	36

Meanders Page.....

DUCK . . . . .

PRELIMINARY OATHS OF ASSISTANTS.

WE, J. Franklin Duffin and Angus M. Goodl,  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level +  
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; +  
we will report the true distances to all notable objects, and the true lengths of all lines that we assist  
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey  
~~the subdivision of T. 5 S., R. 34.; T. 7 S., R. 44.; T. 7 S., R. 64.; and T. 5 S., R. 64., of~~  
~~Uintah Special Base and Meridian Utah~~.

J. Franklin Duffin, Chainm.  
Angus M. Goodlury, Chainm.

Subscribed and sworn to before me this 12th  
day of May 1904,



John R. Stewart  
U.S. Deputy Surveyor

WE, John T. Goodbury Jr. and William B. Burridge,  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment  
of corners, according to the instructions given us, to the best of our skill and ability, in the survey  
~~the subdivision of T. 5 S., R. 34.; T. 7 S., R. 44.; T. 7 S., R. 64.; and T. 5 S., R. 64., of~~  
~~Uintah Special Base and Meridian Utah~~.

John T. Goodbury Jr., Moundm.  
William B. Burridge, Moundm.

Subscribed and sworn to before me this 12th  
day of May 1904,



John R. Stewart  
U.S. Deputy Surveyor

WE, Quinby Stewart and George H. Hartman,  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn.  
and other duties, according to instructions given us, to the best of our skill and ability, in the survey  
~~the subdivision of T. 5 S., R. 34.; T. 7 S., R. 44.; T. 7 S., R. 64.; and T. 5 S., R. 64., of~~  
~~Uintah Special Base and Meridian Utah~~.

Quinby Stewart, Axm.  
George H. Hartman, Axm.

Subscribed and sworn to before me this 12th  
day of May 1904,



John R. Stewart  
U.S. Deputy Surveyor

I, Ashlon S. Rebeker, do solemnly swear that I will well and t.  
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in +  
~~the subdivision of T. 5 S., R. 34.; T. 7 S., R. 44.; T. 7 S., R. 64.; and T. 5 S., R. 64., of~~  
~~survey of the Uintah Special Base and Meridian Utah~~

Ashlon S. Rebeker, Flagma.

Subscribed and sworn to before me this 12th  
day of May 1904,



John R. Stewart  
U.S. Deputy Surveyor

Subdivision of T 5 S R 3 W -

Survey commenced May 26, 1904, and executed with a Young and Sons light mountain transit No. 7382, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on August 21, 1903.

I examine the adjustments of the instrument and correct the level and collimation errors; then to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a meridian established by observation on Polaris, I proceed as follows:

At the cor. of secs. 5, 6, 31, and 32, on South bdy. of Tp.,  $40^{\circ} 00' 15'' N.$ , longitude  $110^{\circ} 18' 06'' W.$ , I set off  $40^{\circ} 00' N.$ , on the lat. arc;  $21^{\circ} 13' N.$ , on the decl. arc; and at 4 h 58 m p.m., l.m.t., I determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

May 26, 1904.

---

✓ /  
May 27, 1904: At 3 h 0.1 m a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual, and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs. N. of my station.

At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris  $1^{\circ} 34.4'$  to the west, and mark the meridian thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.4 ins. east of the mark determined with the solar.

At 7 h 3 m a.m., l.m.t., I set off  $40^{\circ} 00' N.$ , on the lat.

Subdivision of T.5 S., R.3 W.-Continued.

Chains arc;  $21^{\circ}19'$  N., on the decl. arc; and mark a point in the meridian determined with solar, by a cross on the stone already set 5.00 cms. N. of the cor.; this mark falls 0.3 ins. east of the meridian established by Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians respectively about  $0^{\circ}21'$  west and  $0^{\circ}16'$  east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 7 h 30 m a.m. is N. $16^{\circ}29'$  W., the angle thus determined, gives the mag. decl. $16^{\circ}29'$  E.,

---

From the cor. of secs. 5, 6, 31, and 32, on S. bdy. of Tp., here-tofore described,

I run

Note: The east bdy. of This Tp. is the Uintah Indian Reservation Boundary therefore I proceed to survey from south to north and from west to east.

N. $0^{\circ}1'E.$ , bet. secs. 31 and 32.

Over mountainous land; through heavy cedar and pinon pine timber.

Ascend . . . . .

32.00 Top of ridge, 200 ft. above sec. cor., bears NE and SW.

Descend . . . . .

40.00 Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for  $\pm$  sec. cor., marked  $\pm$  on W. face; from which

A cedar, 6 ins. diam., bears S. $64^{\circ}E.$ , 60 lks.

dist., marked  $\pm$  S 32, BT.

A pinon pine, 10 ins. diam., bears N. $88^{\circ}W.$ , 125 lks. dist., marked  $\pm$  S 31 BT.

45.00 Head of hollow, 120 ft. below ridge, course #.

Subdivision of T. 5 S., R. 3 W. -Continued.

Chains	Ascend .
53.00	Top of ridge, 50 ft. above hollow, bears NE and S. 10° E. Descend .
68.75	Leave heavy timber and enter dense undergrowth, bears N. 20° E. and S. 20° W.
73.00	Bottom of hollow, 200 ft. below ridge, course N. 20° E. Ascend .
78.00	Leave undergrowth and enter heavy timber, bears N. 20° E. and S. 20° W.
80.00	Set a sandstone, 16x10x9 ins., 11 ins. in the ground, for cor. of secs. 28, 30, 31, and 32, marked with 1 notch on S. and 5 notches on E. edges; from which  A pinon pine, 18 ins. diam., bears N. 41° E., 82 lks. dist., marked T 5 S R 3 W S 29 B T. A pinon pine, 10 ins. diam., bears S. 10° E., 63 lks. dist., marked T 5 S R 3 W S 32 B T. A pinon pine, 16 ins. diam., bears S. 51° W., 42 lks. dist., marked T 5 S R 3 W S 31 B T. A pinon pine, 12 ins. diam., bears N. 53° W., 133 lks. dist., marked T 5 S R 3 W S 30 B T. Land, mountainous . Soil, sandy and white clay; 3rd rate. Timber, cedar and pinon pine. Undergrowth, sage brush. A very little grass . Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
40.00	West, on a random line bet. secs. 30 and 31. Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect W. bdy. of Tp., 5 lks. S. of the cor. of secs. 25, 30, 31, and 36, heretofore described.  Thence I run S. 89° 58' E., on a true line bet. secs. 30 and 31.

50

Subdivision of T.5 S. R.3 W.-Continued.

Chains	Over mountainous land; through scattering timber.
	Descend.
2.00	Foot of descent, 40 ft. below sec.cor., bears N. and S. Enter bottom of Antelope Canon.
	Leave timber and enter dense greasewoods, bears N. and S.
2.25	Trail in canon, bears N. and S.
6.75	Wash, 5 lks. wide, 2 ft. deep, course N.10°W.
11.00	Leave canon bottom, bears N.10°W. and S.10°E. Leave greasewoods and enter scattering timber, bears N. 10°W. and S.10°E. Ascend abruptly.
31.00	Top of steep ascent, bears N. and S. Ascend more gradually.
36.00	Leave timber, and enter dense undergrowth, bears N. and S.
39.99	Set a sandstone, 18x10x6, 12 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on N. face; dig pits, 18x18x12 ins. E. and W. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
50.00	Top of divide ridge bet. Antelope Canon and canons on east, 950 ft. above canon bears N.20°E. and S.00°W. Descend.
62.00	Bottom of hollow, 40 ft. below ridge, course N.20°E. Ascend.
69.00	Top of spur, 40 ft. above hollow, bears N.60°E. and S. 60°W. Descend.
69.40	Leave undergrowth and enter heavy timber, bears N. and S.
79.98	The cor.of secs.29,30,31, and 32. Land, mountainous and level. Soil, sandy and white clay ;3rd rate. Timber, cedar and pinon pine. Undergrowth, sage brush and greasewoods. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 79.98 chs.

Subdivision of T.5 S., R.3 W.-Continued.

Chains

N.0°1'E., bet. secs. 29 and 30.

Over mountainous land; through heavy timber.

Ascend .

3.00 Top of spur, 40 ft. above sec. cor., bears N.50°E. and S. 70°W.

Descend .

22.00 Bottom of hollow, 130 ft. below ridge, course SE.

Ascend .

40.00 Top of ridge, 130 ft. above hollow, bears NE and SW.

Set a sandstone, 16x10x6 ins. 11 ins. in the ground, for  
sec. cor., marked  $\frac{1}{2}$  on W. face; from which

A pinon pine, 15 ins. diam., bears S.2°E., 30  
lks. dist., marked  $\frac{1}{2}$ . S 29 B T.

A cedar, 12 ins. diam., bears N.48°W., 27 lks.  
dist., marked  $\frac{1}{2}$  S 30 B T.

62.00 Leave timber and enter dense sage brush and shadscales  
bears E. and W.

80.00 Set a sandstone, 20x12x4 ins., 15 ins. in the ground, for  
cor. of secs. 18, 20, 28, and 30, rd. with 2 notches on S. and  
5 notches on E. edges; from which

A pinon pine, 7 ins. diam., bears N.61°E., 95  
lks. dist., rkd. T 5 S R.3 W. 20 B T.

No other trees within limits; raise a mound of stone,  
2 ft. base, 1 ft. high, W. of cor.

Land, mountainous. . .

Soil, gravelly and sandy loam; 2nd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered  
with dense undergrowth, 80.00 chs.

Subdivision of T. 5 S., R. 3 W.-Continued.

- Cls. May 27, 1904: At this cor. I set off  $21^{\circ}20'N.$ , on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is  $40^{\circ}02'N.$ , which is the proper lat. nearly.
- 
- N.  $89^{\circ}56'W.$ , on a random line bet. secs. 19 and 30.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.06 Intersect W. bdy. of Tp., 7. lks. N. of the cor. of secs. 19, 24, 25, and 30, heretofore described.  
Thence I run  
N.  $89^{\circ}59'E.$ , on a true line bet. secs. 19 and 30.  
Over level canon bottom (Antelope Canon); through dense greasewoods.
- 1.75 Trail, bears N. and E.
- 2.25 Wash, 5 lks. wide, 2 ft. deep, course N.
- 7.00 Leave canon bottom, bears N. and S.  
Leave undergrowth and enter scattering timber, bears N. and S.  
Asc.
- 9.00 Enter ledges, bears N. and S.
- 13.10 Leave ledges, bears NW and SE.
- 34.10 Top of ridge, 600 ft. above canon, bears N.  $10^{\circ}W.$  and S.  $10^{\circ}E.$  Desc.
- 38.60 Bottom of hollow, 100 ft. below ridge, course N. Asc.
- 40.03 Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for sec. cor., mkd.  $\frac{1}{2}$  on N. face; from which  
A cedar, 12 ins. dia., bears N.  $50^{\circ}E.$ , 50 lks.  
dist. mkd.  $\frac{1}{2}$  S 19 B T.  
A pinon pine, 6 ins. dia., bears S.  $5^{\circ}W.$ , 75 lks.  
dist. mkd.  $\frac{1}{2}$  S 30 B T.
- 50.00 Top of spur, 200 ft. above hollow, bears N. and S.  
Desc.
- 53.75 Bottom of hollow, 175 ft. below spur, course N.  
Asc.

Subdivision of T.5 S., R.3 W.-Continued.

Chs.	
56.50	Leave timber, bears N. and S.
67.00	Top of divide ridge bet. Antelope Canon and canons on east, 150 ft. above hollow, bears N.10° E. and S.10° W.
	Desc.
75.80	Wash, 50 lks. wide, 6 ft. deep, in bottom of hollow, 100 ft. below ridge, course N.
	Asc.
80.00	The cor. of secs. 19, 20, 29, and 30. Land, mountainous and level. Soil, white clay and rocky; 3rd and 4th rate. Timber, cedar and pinon pine. Undergrowth, sage brush. A very little grass. Mountain vs land, or land covered with dense undergrowth, 80.00 chs.

-----  
N.6° 1' E., bet. secs. 19 and 20.

Over mountainous land; through scattering timber.

Desc.

10.00 Bottom of hollow, 80 ft. below sec. cor., course N.60° E.  
Asc.

27.00 Top of divide ridge bet. Antelope Canon and canons on east,  
100 ft. above hollow, bears N.60° E. and S.60° W.

Desc.

34.00 Bottom of hollow, 200 ft. below ridge, course N.20° E.  
Asc.

40.00 Set a sandstone, 22x8x4 ins., 16 ins. in the ground, for  
sec. cor. mkd. # on W. face; from which

A pinon pine, 6 ins. dia.; bears E., 225 lks.  
dist. mkd. # 20 B.T.

A pinon pine, 4 ins. dia., bears S.80° W., 100 lks.  
dist. mkd. # 19 B.T.

Subdivision of T. 5 S.-R. 3 E.-Continued.

Chs.	
48.00	Top of ridge, 200 ft. above hollow, bears N.30°E. and S.30°W. Desc.
77.25	Bottom of same hollow, 225 ft. below ridge, course NW. ASC.
80.00	Set a sandstone, 18x10x10 ins., 12 ins. in the ground, for cor. of secs. 17, 18, 19, and 20, mkd. with 3 notches on S. and 5 notches on E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Land, mountainous. Soil, gravelly and white clay loam; 3rd rate. Timber, cedar and pinon pine. A very little grass. Mountainous land, 80.00 chs.

S.89° 59'W., on a random line bet. secs. 18 and 19.

40.00	Set temp. at sec. cor.
80.02	Intersect W. bdy. of Tp., 10 lks. S. of the cor. of secs. 13, 18, 19, and 24, heretofore described. Thence I run S.89° 57'E., on a true line bet. secs. 18 and 19. Over mountainous land; through scattering timber. Desc.
20.75	Enter bottom of Antelope Canon, 250 ft below sec. cor., bears NE and S.20°W. Leave timber and enter dense <del>dark</del> greasewoods, bears NE and S.20°W.
32.65	Trail, bears NE and S.20°W.
40.01	Set a sandstone, 16x6x6 ins., 11 ins. in the ground, for cor. cor.. mkd. at on N. face; dig pits, 18x18x12 ins., E. and N. of stone, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor. Wash, 2 ft. deep, 3 lks. wide, course NE.

Subdivision of T.5 S., R.3 W.-Continued.

Chs.	
42.00	Leave canon bottom,bears NE and S.20°W. Leave undergrowth and enter scattering timber,bears NE and S.20°W.
	Asc.
58.00	Commence steeper ascent,bears NW and SE.
74.00	Top of ridge,400 ft. above canon,bears N.20°E. and S.20°W.
	Desc.
79.00	Bottom of hollow,100 ft .below ridge ,course N.
	Asc.
80.02	The cor.of secs.17,18,19, and 20. Land, mountainous and level. Soil, gravelly loam and white clay;2nd and 3rd rate. Timber, cedar and pinon pine. Undergrowth, greasewoods. A very little grass . Mountainous land,or land covered with dense undergrowth, 80.02 chs.

May 27, 1904.

---

May 28 ,1904:At 7 h 3 m a.m., 1 m.t., I set off 40°03'N., on the lat.arc; 21°29'N., on the decl.arc; and determine a mer. with the solar, at the cor.of secs.17,18,19, and 20. Thence I run N.0°1'E., betsecs.17 and 18. Over mountainous land;through scattering timber. Desc.
8.00 Bottom of hollow,40 ft below ridge, course N.20°E. Asc.
10.00 Top of spur,50 ft. above hollow,bears E. and W. Desc.
12.00 Bottom of same hollow,80 ft. below spur, course NW . Asc.

Subdivision of T. 5 S. R. 3 E. -Continued.

Chs.	
17.00	Top of ridge, 150 ft. above hollow, bears E. and W. Desc.
40.00	Bottom of hollow, 100 ft below ridge, course N. Set a sandstone, 20x15x4 ins., 15 ins. in the ground, for sec.cor..mkd.‡ on W.face; from which A pinon pine, 13 ins. dia., bears N.35° E., 190 lks. dist..mkd.‡ S 17 B T. A cedar, 7 ins. dia. bears S.60° W., 75 lks. dist..mkd.‡ S 18 B T.
41.75	Top of ridge, 80 ft. above hollow, bears E. and W. Desc.
57.00	Foot of descent, enter bottom of Antelope Canon, 200 ft. below ridge, bears N.40° E. and S.40° W. Leave timber and enter dense greasewoods, bears N.40° E. and S.40° W.
72.00	Trail, bears N.20° E. and S.20° W.
75.00	Leave canon bottom, bears N.20° E. and S.20° W. Leave undergrowth and enter scattering timber, bears N.20° E. and S.20° W.
80.00	Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for cor.of secs.7,8,17, and 18, mkd. with 4 notches on S. and 5 notches on E.edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, mountainous and level. Soil, gravelly loam and white clay; 2nd and 3rd rate. Timber, cedar and pinon pine. Undergrowth, greasewoods. A very little grass. Mountainous land, or land covered with dense undergrowth, 60.00 chs.
	N.89° 57' W., on a random line bet.sec.7 and 18.

Subdivision of T 5 S ,R 3 W -Continued.

Chs.	
40.00	Set temp. at sec.cor.
79.96	Intersect W.bdy.of Tp.,7 lks.N.of the cor.of secs. 7,12,13, and 18, heretofore described. Thence I run East, on a true line betsecs. 7 and 18. Over mountainous land; through scattering timber. Desc.
.60	Bottom of hollow, 10 ft. below sec.cor., course S.70°W. Asc.
25.00	Top of ridge, 100 ft. above hollow, bears N.60°E. and S.60°W. Desc.
39.98	Set a sandstone, 16x12x5 ins., 11. ins.in the ground, for sec.cor. mkd. at on N.face; from which A pinon pine, 10 ins.dia., bears N.40°W., 70 lks. dist.. mkd. at S 7 B T. A pinon pine, 4 ins.dia., bears S.10°E., 130 lks.dist.. mkd. at S 18 B T.
79.96	The cor.of secs. 7,8,17, and 18. (250. ft.below ridge) Land, mountainous . Soil, gravelly loam and white clay; 2nd and 3rd rate. Timber, cedar and pinon pine. A very little grass . Mountainous land, 79.96 chs.
	<hr/>
	N.0°1'E., betsecs. 7 and 8. Over mountainous land; through scattering timber and scat- tering undergrowth. Ascend .
16.00	Top of ridge, 150 ft. above sec.cor., bears N.80°E. and S.80°W. Desc.

## Subdivision of T 5 S R 3 W -Continued

Chs.	
38.00	Foot of descent, 150 ft, below ridge, bears NW and SE. Enter bottom of Antelope Canon.
	Leave timber and enter dense greasewoods, bears NW and SE.
40.00	Set a sandstone, 16x8x5 ins., 11 ins. in the ground, for sec.cor..mkd.z on W.face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W.of cor.
53.00	Leave canon bottom, bears NE and SW. Leave greasewoods, and enter scattering timber, bears NE and SW. Asc.
60.00	Top of ridge, 120 ft. above canon, bears E. and W.. Desc.
78.00	Foot of descent, 150 ft. below ridge, bears N. 10°W. and S. 10° E. Enter bottom of Antelcpw Canon.
	Leave timber and enter dense greasewoods, bears N. 10°W. and S. 10°E.
79.50	Trail, in wash, 15' lks. wide, 6 ft. deep, course N. 10°W.
80.00	Set a sandstone, 18x8x8 ins., 12 ins. in the ground, for cor.of secs. 5, 6, 7, and 8, mkd. with 5 notches on S., and E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W.of cor.
	Land, mountainous and level.
	Soil, gravelly loam and white clay; 2nd and 3rd rate.
	Timber, cedar and pinen pine..
	Undergrowth, greasewoods .
	A very little grass .
	Mountainous land, or land covered with dense undergrowth,
80.00 chs.	
	May 28, 1904: At the noon hour the sky is overcast and solar observations are impossible.

West, on a random line bet. secs. 6 and 7.

Subdivision of T. 5 S. R. 3. W. -Continued

Chs.	
40.00	Set temp. $\frac{1}{2}$ sec.cor.
79.82	Intersect W.bdy. of Tp., 14 <sup>1</sup> / <sub>2</sub> lks.S. of the cor. of secs. 1, 6, 7, and 12, heretofore described. Thence I run S.89° 54' E., on a true line bet. secs. 6 and 7. Over mountainous land, through scattering timber.
	Desc.
2.75	Foot of descent, 50 ft. below sec.cor., bears N.60° E. and S. 60° W. Enter bottom of Sower's Canon. Leave timber and enter dense undergrowth, bears N.60° E. and S.60° W.
7.00	West edge of wash, 35 ft. deep, bears N.80° E. and S.80° W. course of wash, N.80° E.
15.00	East side of wash, bears N.60° E. and S.80° W., course of wash, N.60° E.
31.00	Leave canon bottom, bears N.60° E. and S.60° W. Leave greasewoods and enter scattering timber, bears N.60° E. and S.60° W.
	Asc.
39.94	Set a sandstone, 20x18x4 ins., 15 ins. in the ground, for $\frac{1}{2}$ sec.cor. mkd. $\frac{1}{2}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
57.00	Top of ridge, 140 ft. above canon, bears N. and S. Desc.
64.00	Bottom of hollow, 120 ft. below ridge, course N. Asc.
69.50	Top of ridge, 150 ft. above hollow, bears N. and S. Desc.
79.00	Foot of descent, 250 ft. below ridge, bears N.10° W. and S. 10° E. Enter bottom of Antelope Canon. Leave timber and enter dense undergrowth, bears N.10° W.

Subdivision of T.5 S., R.3 W.-Continued.

Chs.	and S. 10° E.
79.60	Trail, in wash 15 lks. wide, 6 ft. deep, course N. 10° W.
79.82	The cor. of secs. 5, 6, 7 and 8. Land, mountainous and level. Soil, gravelly loam and white clay; 2nd and 3rd rate. Timber, cedar and pinon pine. Undergrowth, greasewoods. A very little grass. Mountainous land, or land covered with dense undergrowth, 79.82 chs.
	N. 0° 1' E., on a true line bet. secs. 5 and 6. Over level canon bottom; through dense grasewoods.
8.50	Wash, 20 lks. wide, 6 ft. deep, course N. 10° E.
12.50	Same wash, 20 lks. wide, 10 ft. deep, course N. 10° W.
35.00	Old road, bears N. 30° W. and S. 20° E.
36.00	Leave Antelope Canon, bears N. 30° W. and S. 20° E. Leave dense and enter scattering undergrowth, bears N. 30° W. and S. 30° E. Asc.
40.00	Set a sandstone, 18x14x4 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
44.00	Top of spur, 100 ft. above canon, bears E. and W. Desc.
48.50	Bottom of hollow, 60 ft. below ridge, course W. Asc.
54.00	Top of spur, 80 ft. above hollow, bears E. and W. Desc.
59.00	Bottom of hollow, 100 ft. below spur, course W. Asc.
67.00	Top of spur, 125 ft. above hollow, bears E. and W. Desc.
70.00	Bottom of hollow, 80 ft. below spur, course W.

Subdivision of T 5 S R 3 W -Continued

Chs. Asc.  
72.00 Top of spur, 110 ft. above hollow, bears E. and W.  
Desc.  
66.00 Bottom of hollow, 100 ft. below spur, course W.  
Asc.  
88.00 Top of spur, 120 ft. above hollow, bears E. and W.  
Desc.  
90.02 Intersect 1st Standard Parallel South, 5.35 chs. N.  $89^{\circ}34'$  E., of the standard cor. of secs. 31 and 32, heretofore described.  
Set a sandstone, 15x11x4 ins., 10 ins. in the ground, for closing cor. of secs. 5 and 6, mkd. C C on S., with 5 grooves on E. and 1 groove on W. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, S. of cor..  
Land, mountainous and level.  
Soil, gravelly and white clay; 33rd rate.  
No timber.  
Undergrowth, greasewoods.  
No grass.  
Mountainous land, or land covered with dense undergrowth, 90.02 chs.

May 28, 1904.

---

May 29, 1904: At 7 h 3 m a.m., l.m.t., I set off  $40^{\circ}00'N.$ , on the lat. arc;  $21^{\circ}38'N.$ , on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 4, 5, 32, and 33, on S. bdy. of Tp., heretofore described.

Thence I run

$11.0^{\circ}1'E.$ , bet. secr. 32 and 33.

Over mountainous land; through heavy timber.

Asc.

Subdivision of T.5 S., R.3 W.-Continued.

Chs.	
5.00	Top of spur, 40 ft. above sec.cor., bears NE and S $10^{\circ}$ W. Desc.
22.00	Bottom of hollow, 140 ft. below ridge, course NE Asc.
25.00	Top of spur, 50 ft. above hollow, bears NE and SW. Desc.
28.00	Bottom of hollow, 50 ft. below spur, course NE Asc.
33.00	Leave heavy and enter scattering timber, bears E. and W.
40.00	Set a sandstone, 20x10x4 ins., 15 ins. in the ground, for sec.cor.. mkd. $\frac{1}{4}$ on W. face; from which A cedar, 8 ins. dia., bears N. $45^{\circ}$ E., 137 lks. dist. mkd. $\frac{1}{4}$ S. $33^{\circ}$ B.T. A pinon pine, 8 ins. dia., bears N. $6^{\circ}$ W., 147 lks. dist. mkd. $\frac{1}{4}$ S. $32^{\circ}$ B.T.
56.00	Top of ridge, 200 ft. above hollow, bears N. $70^{\circ}$ E. and S. $70^{\circ}$ W. Desc.
79.70	Bottom of hollow, 200 ft. below ridge, course N. $70^{\circ}$ E. Asc.
80.00	Set a sandstone, 20x12x3 ins., 15 ins. in the ground, for cor. of secs. 28, 29, 32, and 33, mkd. with 1 notch on S. and 4 notches on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, mountainous. Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. A very little grass. Mountainous or heavily timbered land, 80.00 chs.

West, on a random line bet. secs. 29 and 32.

Subdivision of T 5 S .R 3 W -Continued

Chs.

- 40.00 Set temp. at sec.cor.  
79.94 Intersect N.and S.line,10 lks.S.of the cor.of secs.  
28,30,31, and 32.

Thence I run ✓

... S.89°56'E.,on a true line bet.secs.29 and 32.

Over mountainous land;through heavy timber.

Desc.

- 5.00 Leave timber,bears N.20°E.and S.20°W.  
8.50 Bottom or hollow,80 ft,below sec.cor.,course N.40°E.

Asc.

10.00 Enter heavy timber,bears N.20°E.and S.20°W..

27.00 Top or ridge,200 ft,above hollow,bears N.20°E.and S.  
20°W.

Desc.

- 38.97 Set a sandstone,16x14x4 ins.,plain,in the ground,for  
at sec.cor.. mkd. at on N.face;from which

A cedar,7 ins.dia.,bears S.10°E.,100 lks.  
dist..mkd. at S 32 B.T.

A pinon pine,9 ins.dia.,bears N.45°E.,275 lks.  
dist..mkd. at S 29 B.T.

79.94 Point 250 ft.below ridge.

The cor.of secs.28,29,32, and 33.

Land,mountainous.

Soil,gravelly and white clay;3rd rate.

Timber,cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land,79.94 chs.

---

Note:The line bet.secs.28 and 33 will intersect the reservation boundary ,therefore I run

East,on a true line bet.secs.28 and 33.

## Subdivision of T 5 S. R 3 W -Continued

Chs.	Over mountainous land; through dense undergrowth and scattering timber.
	Desc.
.65	Bottom of hollow, 10 ft. below sec. cor., course N.70° E.
	Asc.
14.00	Top of spur, 40 ft. above hollow, bears N.80° E. and S.70° W.
	Desc.
16.00	Bottom of hollow, 50 ft. below spur, course N.70° E.
	Asc.
26.00	Leave undergrowth and enter heavy timber, bears N. and S.
38.00	Top of spur, 200 ft. above hollow, bears NE and SW.
	Desc.
40.00	Set a sandstone, 20x8x6 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which
	A cedar, 16 ins. dia., bears N.48° W., 32 lks. dist. mkd. $\frac{1}{4}$ S 28 B T.
	A cedar, 8 ins. dia., bears S.35° E., 29 lks. dist. mkd. $\frac{1}{4}$ S 33 B T.
46.73	Intersect South Boundary of the Uintah Indian Reservation set a sandstone, 18x.8x5 ins., 12 ins. in the ground, for closing cor. of frac. secs. 28 and 33, mkd. C C U I R, with 3 grooves on W. and 5 grooves on N., and P.L. on E. faces; from which
	A cedar, 8 ins. dia., bears N.16° W., 300 lks. dist. mkd. T 5 S R 3 W S 28 B T.
	A pinon pine, 10 ins. dia., bears S.41° W., 260 lks. dist. mkd. T 5 S R 3 W S 33 B T.
	From the closing cor. the 31st mile cor. on the boundary, as established by Deputies A.H. and F.M. Brown, bears as follows:
	N.3° 30' E., 2.42 chs. to mile stone No. 31.
	Land, mountainous.
	Soil, gravelly and white clay; 3rd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush.

Subdivision of T 5 S R 3 W -Continued

Chs. A very little grass.  
 Mountainous or heavily timbered land, or land covered with dense undergrowth, 48. 73 chs.  
 May 29, 1904: At this cor. I set off  $21^{\circ}39'N.$ , on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is  $40^{\circ}01'N.$ , which is the proper lat. nearly.

---

N. $0^{\circ}1'E.$ , bet. secs. 28 and 29.

Over mountainous land; through scattering timber.

Asc.

18.75 Top of ridge, 200 ft. above sec. cor., bears N. $75^{\circ}E.$  and S. $75^{\circ}W.$

Desc.

27.25 Bottom of hollow, 150 ft. below ridge, course NE.

Asc.

35.25 Top of ridge, 200 ft. above hollow, bears NE and SW.

Desc.

40.00 Set a limestone, 16x10x5 ins., 11 ins. in the ground, for sec. cor. mkd.  $\frac{1}{4}$  on W. face; from which

A cedar, 3 ins. dia., bears S. $70^{\circ}E.$ , 161 lks.

dist. mkd.  $\frac{1}{4}$  S 28 B T.

A pinon pine, 7 ins. dia., bears N. $70^{\circ}W.$ , 68 lks.

dist. mkd.  $\frac{1}{4}$  S 29 B T.

71.00 Bottom of hollow, 200 ft. below ridge, course NE.

Asc.

79.75 Top of ridge, 40 ft. above hollow, bears NE and SW.

Desc.

86.00 Set a limestone, 24x12x3 ins., 18 ins. in the ground, for cor. of secs. 20, 21, 28, and 29, mkd. with 2 notches on S. and 4 notches on E. edges; from which

A pinon pine, 9 ins. dia., bears S. $61^{\circ}E.$ , 153

1. A. 100 ft. above bridge, between 20 and 25.

2. A. 100 ft. above bridge, between 20 and 25.

3. A. 100 ft. above bridge, between 20 and 25.

4. A. 100 ft. above bridge, between 20 and 25.

5. A. 100 ft. above bridge, between 20 and 25.

6. A. 100 ft. above bridge, between 20 and 25.

7. A. 100 ft. above bridge, between 20 and 25.

8. A. 100 ft. above bridge, between 20 and 25.

9. A. 100 ft. above bridge, between 20 and 25.

10. A. 100 ft. above bridge, between 20 and 25.

11. A. 100 ft. above bridge, between 20 and 25.

12. A. 100 ft. above bridge, between 20 and 25.

13. A. 100 ft. above bridge, between 20 and 25.

14. A. 100 ft. above bridge, between 20 and 25.

15. A. 100 ft. above bridge, between 20 and 25.

16. A. 100 ft. above bridge, between 20 and 25.

17. A. 100 ft. above bridge, between 20 and 25.

18. A. 100 ft. above bridge, between 20 and 25.

19. A. 100 ft. above bridge, between 20 and 25.

20. A. 100 ft. above bridge, between 20 and 25.

21. A. 100 ft. above bridge, between 20 and 25.

22. A. 100 ft. above bridge, between 20 and 25.

23. A. 100 ft. above bridge, between 20 and 25.

24. A. 100 ft. above bridge, between 20 and 25.

25. A. 100 ft. above bridge, between 20 and 25.

26. A. 100 ft. above bridge, between 20 and 25.

27. A. 100 ft. above bridge, between 20 and 25.

28. A. 100 ft. above bridge, between 20 and 25.

29. A. 100 ft. above bridge, between 20 and 25.

30. A. 100 ft. above bridge, between 20 and 25.

Subdivision of T.5 S. R.3 W.-Continued.

Chs.	
60.00	Bottom of hollow, 50 ft. below ridge, course N.30°E.. Asc. 79.84 The cor.of secs.20,21,28, and 29. Land,mountainous. Soil,gravelly and white clay;3rd rate. Timber,cedar and pinon pine. No grass . Mountainous or heavily timbered land,79.84 chs.

---

Note:The line betsecs.21 and 28,will intersect the Reservation boundary,therefore I run East,on a true line betsecs.21 and 28.

Over mountainous land;through scattering timber and scattering undergrowth.

Asc.

.25 Top of ridge,10 ft.above sec.cor.,bears N.60°E.and S.60°W.

Desc.

52.00 Bottom of hollow,100 ft.below ridge,course N.60°E.

Asc.

34.70 Ledge,10 ft.high,bears NW and SW.

40.00 Set a sandstone,16x8x5 ins.11 ins.in the ground,for  $\frac{1}{4}$  sec.cor.,mkd. $\frac{1}{4}$  on N.face;from which

A pinon pine,14 ins.dia.,bears N.15°E.,32 lbs.  
dist..mkd. $\frac{1}{4}$  S 21 E T.

A pinon pine,12 ins.dia.,bears S.75°E.,53 lbs.  
dist.mkd.  $\frac{1}{4}$  S 28 E T.

52.50 Top of ridge,150 ft.above hollow,bears N.40°E.and S.40°W.

Desc.

53.62 Intersect South Boundary of the Uintah Indian Reservation  
set a sandstone,14x12x6 ins.,10 ins.in the ground,for

Subdivision of T 5 S R 3 W -Continued

Chs. closing cor. of secs. 21 and 28, mkd. C C U I R with 3 grooves on W. and 4 grooves on N. faces, and P. L. on E. face; from which

A pinon pine, 8 ins. dia., bears N. 64° W., 340 lks.  
dist. mkd. T 5 S R 3 W S 21 B T.

No other trees within limits; dig pits, one 24x18x12 ins., W. of stone, 7 ft. dist., and one 30x24x12 ins. N. of stone, 3 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

From the closing cor. the 30th mile cor. on the boundary, as established by Deputies A. H. and F. M. Brown, bears as follows:

N. 3° 30' E., 2.40 chs., to mile stone, No. 30.

Land, mountainous.

Soil, gravelly and white clay; 3rd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

A very little grass.

Mountainous land, 53.62 chs.

May 29, 1904.

May 30, 1904: At 7 h 3 m a.m., l.m.t., I set off 40° 02' N., on the lat. arc; 21° 47' N., on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 20, 21, 28, and 29.

Thence I run

N. 0° 1' E., bet. <sup>secs.</sup> 20 and 21.

Over mountainous land; through scattering timber and scattering undergrowth.

Desc.

15.00 Bottom of hollow, 100 ft. below sec. cor., course N. 80° E.

Asc.

25.00 Top of ridge, 80 ft. above hollow, bears N. 80° E. and S. 80° W.

Desc.

## Subdivision off T 5 S R 3 W -Continued

Chs.

40.00 Set a sandstone, 20x12x4 ins., 15 ins. in the ground, for  
sec.cor..mkd. $\frac{1}{4}$  on W.face; dig pits, 18x18x12 ins., N. and  
S.of stone, 3 ft.dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft.  
base,  $1\frac{1}{2}$  ft.high, W.of cor.

46.00 Bottom of hollow, 100 ft.below ridge, course N. $80^{\circ}$ E.

Asc.

56.00 Top of ridge, 60 ft.above hollow, bears N. $80^{\circ}$ E. and S. $70^{\circ}$ W.  
Leave timber, bears N. $80^{\circ}$ E. and S. $70^{\circ}$ W.

Desc.

75.00 Bottom of hollow, 70 ft.below ridge course N. $60^{\circ}$ E.

Asc.

80.00 Top of ridge, 80 ft.above hollow, bears N. $60^{\circ}$ E. and S. $60^{\circ}$ W.  
Set a sandstone, 18x10x7 ins., 12 ins.in the ground, for  
cor.of secs.16,17,20, and 21,mkd.with 3 notches on S.and  
4 notches on E.edges; and raise a mound of stone, 2 ft.  
base,  $1\frac{1}{2}$  ft.high, W.of cor.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

A very little grass.

Mountainous land, 80.00 chs.

N. $89^{\circ}48'W.$ , on a random line betsecs.17 and 20.

40.00 Set temp. $\frac{1}{4}$  sec.cor.

79.76 Intersect N. and S.line, 5 lks.N.of the cor.of secs.  
17,18,19, and 20.

Thence I run

S. $89^{\circ}50'E.$ , on a true line betsecs.17 and 20.

Over mountainous land; through scattering timber.

Asc.

Subdivision of T 5 S R. 3 W.-Continued.

Chs.	
17.00	Top of ridge, 350 ft. above sec. cor., bears N. and S.
	Desc.
26.00	Bottom of hollow, 150 ft. below ridge, course N. 10° W.
	Asc.
38.00	Top of divide ridge between Antelope Canon and canons on east, 200 ft. above hollow, bears N. 20° E. and S. 30° W.
	Descend.
39.89	Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for a sec. cor. mkd. $\frac{1}{2}$ on N. face; dig pits, 18x18x12 ins., E. and W. of stone; 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Leave timber, bears N. and S.
65.00	Bottom of hollow, 100 ft. below ridge, course N. 84° E.
	Asc.
79.78	The cor. of secs. 16, 17, 20, and 21.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine.
	A very little grass.
	Mountainous land, 79.78 chs.
	<hr/>
	N. 0° 01' E., bet. secs. 16 and 17.
	Over mountainous land; through scattering timber and scattering undergrowth.
	Descend.
3.00	Bottom of hollow, 30 ft. below sec. cor., course N. 70° E.
	Asc.
9.00	Top of ridge, 50 ft. above hollow, bears N. 70° E. and S. 70° W.
	Desc.
26.00	Bottom of hollow, 150 ft. below ridge, course N. 70° E.
	Asc.

Subdivision of T.5 S. R.3 W.--Continued.

- |       |                                                                                                                                                                                                                            |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chs.  |                                                                                                                                                                                                                            |
| 40.00 | Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.. mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.                              |
| 41.00 | Top of ridge, 200 ft. above hollow, bears E. and W.                                                                                                                                                                        |
|       | Desc.                                                                                                                                                                                                                      |
| 49.00 | Bottom of hollow, 150 ft. below ridge, course NE.                                                                                                                                                                          |
|       | Asc.                                                                                                                                                                                                                       |
| 80.00 | Set a sandstone, 20x12x3 ins., 15 ins. in the ground, for cor. of secs. 8, 9, 16, and 17, mkd. with 4 notches on S. and 4 notches on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. |
|       | Land, mountainous.                                                                                                                                                                                                         |
|       | Soil, gravelly; 3rd rate.                                                                                                                                                                                                  |
|       | Timber, cedar and pinon pine.                                                                                                                                                                                              |
|       | Undergrowth, sage brush.                                                                                                                                                                                                   |
|       | Good grass for grazing.                                                                                                                                                                                                    |
|       | Mountainous land, 80.00 chs.                                                                                                                                                                                               |
|       | May 30, 1904: At this cor. I set off $21^{\circ}48'N.$ , on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is $40^{\circ}04'N.$ , which is the proper lat. nearly.           |
| <hr/> |                                                                                                                                                                                                                            |
|       | N. $89^{\circ}50'W.$ , on a random line bet. secs. 8 and 17.                                                                                                                                                               |
| 40.00 | Set temp. $\frac{1}{4}$ sec. cor.                                                                                                                                                                                          |
| 79.96 | Intersect N. and S. line, 21 lks. N. of the cor. or secs. 7, 8, 17, and 18.                                                                                                                                                |
|       | Thence I run                                                                                                                                                                                                               |
|       | S. $89^{\circ}59'E.$ , on a true line bet. secs. 8 and 17.                                                                                                                                                                 |
|       | Over mountainous land:                                                                                                                                                                                                     |
|       | Desc.                                                                                                                                                                                                                      |
| 2.00  | Foot of descent, 20 ft. below sec. cor., enter bottom of                                                                                                                                                                   |

Subdivision of T. 5 S., R. 3 W.-Continued.

Chs.	Antelope Canon, bears N. 20° E. and S. 20° W. Enter dense undergrowth.
3.00	Trail, bears N. 20° E. and S. 20° W.
12.00	Old road, bears N. and S.
14.00	Leave Antelope canon, bears N. and S. Leave undergrowth and enter scattering timber, bears N. and S. Asc.
39.98	Set a sandstone, 16x8x5 ins., 11 ins. in the ground, for sec.cor., mkd. $\pm$ on N. face; from which A pinon pine, 6 ins. dia., bears N. 34° W., 23 lks. dist.. mka. $\pm$ S 8 B.T. A pinon pine, 8 ins. dia., bears S. 55° W., 89 lks. dist.. mkd. $\pm$ S 17 B.T.
50.00	Top or ridge, 500 ft. above canon, bears N. 30° W. and S. 30° E. Desc.
55.00	Bottom of hollow, 150 ft. below ridge, course NW. Asc.
70.00	Top or divide ridge between Antelope Canon and Canons on E. 150 ft. above hollow, bears N. 30° E. and S. 30° W. Descend..
79.96	The cor. or secs. 8, 9, 16, and 17. Land; mountainous and level. Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. Undergrowth, sage brush and greasewoods. Good grass for grazing. Mountainous land, or land covered with dense undergrowth, 79.96 chs.
	N. 0° 1' E., bet. secs. 8 and 9. Over mountainous land; through dense undergrowth. Asc.

Subdivision of T.5-S., R.3.W.-Continued.

Chs.	
3.00	Top of ridge, 20 ft. above sec.cor., bears N.80° E. and W. Desc.
16.00	Bottom of hollow, 100 ft. below ridge, course N.70° E. Asc.
30.00	Top of ridge, 80 ft. above hollow, bears N.80 °E. and S.80° W. Desc.
38.00	Bottom of hollow, 50 ft. below ridge, course N.60° E. Asc.
40.00	Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec.cor.. mkd. $\frac{1}{4}$ on W. face; and dig pits, 18x18x12 ins. N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
45.00	Top of ridge, 100 ft. above hollow, bears N.70° E. and S.70° W. Desc.
80.00	Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for cor. of secs. 4, 5, 8, and 9, mkd. with 5 notches on S. and 4 notches on E. edges; dig pits, 18x18x12 ins., in each sec.; 5 $\frac{1}{2}$ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, mountainous. Soil, gravelly; 3rd rate. No timber. Undergrowth, sage brush. A very little grass. Mountainous land, or land covered with dense undergrowth, 80.00 chs.

N.89° 58' W., on a random line bet. secs. 5 and 8.

40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.90	Intersect N. and S. line, 15 lks. S. of the cor. of secs.

Subdivision of T.5 S. R.3 W.-Continued

Chs.	5,6,7, and 8.
	Thence I run ✓ .
	S. $89^{\circ}49' E.$ , on a true line bet. secs. 5 and 8.
	Over level bottom of Antelope Canon; through dense undergrowth.
12.00	Old road, bears N. $10^{\circ}W.$ and S. $10^{\circ}E.$
13.00	Leave canon bottom, bears N. $10^{\circ}W.$ and S. $10^{\circ}E.$
	Leave undergrowth and enter scattering timber, bears N. $10^{\circ}W.$ and S. $10^{\circ}E.$
	Asc. ✓
39.95	Set a sandstone, 18x16x4 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec.cor.. mkd. $\frac{1}{2}$ on N. face; and raise a mound of stone, $\frac{2}{3}$ ft. base, $1\frac{1}{2}$ ft. high., N. of cor.
65.00	Top of divide ridge between Antelope Canon and canons on east, 400 ft. above canon, bears N. and S.
	Desc.
65.50	Leave timber and enter dense sage brush, bears N. and S.
79.00	Bottom of hollow, 150 ft. below ridge, course N. $30^{\circ}E.$
	Asc.
79.90	The cor. of secs. 4,5,8, and 9.
	Land, mountainous.
	Soil, gravelly and white clay; 3rd rate.
	Timber, cedar and pinon pine.
	Undergrowth, greasewoods.
	No grass.
	Mountainous land, or land covered with dense undergrowth,
79.90 chs.	

May 30, 1904.

---

✓ 5

May 31, 1904: At 7 h 2 m a.m., l.m.t., I set off  $40^{\circ}05' N.$ , on the lat.arc;  $21^{\circ} 56' N.$ , on the decl.arc; and determine a mer. with the solar at the cor. of secs. 4,5,8, and 9.

Subdivision of T.5 S., R.3 W.-Continued.

- Chs. Thence I run  
N.0°2'E., on a true line bet. secs. 4 and 5.  
Over mountainous land; through dense undergrowth.  
Desc.  
1.20 Bottom of hollow, 10 ft. below sec. cor., course N.30°E.  
Asc.  
5.00 Top of spur, 20 ft. above hollow, bears NE and SW.  
Desc.  
23.00 Bottom of swale, 20 ft. below ridge, course N.60°E.  
Asc.  
38.00 Top of ridge, 100 ft. above swale, bears E. and W.  
Desc.  
40.00 Set a sandstone, 16x8x5 ins., 11 ins. in the ground, for  
sec. cor. mkd. on W. face; dig pits, 18x18x12 ins., N. and  
S. of stone 3 ft. dist.; and raise a mound of earth, 3½ ft.  
base, 1½ ft. high, W. of cor.  
62.00 Bottom of hollow, 120 ft. below ridge, course N.20°E.  
Asc.  
82.00 Top of ridge, 150 ft. above hollow, bears N.80°E. and S.80°  
W.  
Desc.  
90.68 Intersect 1st Standard Parallel South, 5:73 chs. N.89°34'E.  
from the standard cor. of secs. 32, and 33, heretofore de-  
scribed.  
Set a sandstone, 16x10x5 ins., 11 ins. in the ground, for  
closing cor. of secs. 4 and 5, mkd. C.C. on S., with 4 grooves  
on E. and 2 grooves on W. faces; dig pits, 24x18x12 ins.,  
crosswise on each line E. and W. of stone, 3 ft. and S. of  
stone, 7 ft. dist.; and raise a mound of earth, 4 ft. base,  
2 ft. high, S. of cor.  
Land, mountainous.  
Soil, gravelly; 3rd rate.  
No timber.  
Undergrowth, sage brush and greasewoods.  
A very little grass.

Subdivision of T. 5 S. R. 3 W -Continued

Chs.	Mountainous land, or land covered with dense undergrowth, 90.68 chs.
	East, on a true line bet. secs. 16 and 21. Over mountainous land; through dense undergrowth.
	Desc.
10.50	Bottom of hollow, 100 ft. below sec. cor., course N. 70° E.
	Asc.
28.00	Top of ridge, 80 ft. above hollow, bears N. 70° E. and S. 70° W.
	Desc.
40.00	Set a sandstone, 16x9x6 ins., 11 ins. in the ground, for ½ sec. cor., mkd. ½ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
46.00	Bottom of hollow, 150 ft. below ridge, course N. 80° E.
	Asc.
52.00	Top of spur, 40 ft. above hollow, bears N. 70° E. and S. 70° W.
	Desc.
75.00	Same hollow, 40 ft. below spur, course S. 70° E.
	Asc.
80.00	Set a limestone, 24x8x5 ins., 18 ins. in the ground, for cor. of secs. 15, 16, 21, and 22, marked 5 S on NE, and 3 W on SE faces; with 3 notches on S., and E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	No timber.
	Undergrowth, sage brush and shadscales.
	No grass.
	Mountainous land, or land covered with dense undergrowth, 80.00 chs.

Subdivision of T 5 S R 3 W -Continued.

Chs. May 31, 1904: At the noon hour the sky is overcast and solar observations are impossible.

Note: If the lines bet. secs. 15 and 22 and 21 and 22 were both run frac. sec. 22 would be very small; therefore I make the small fraction a part of sec. 21 ,and run East, on a true line bet. secs. 15 and 21.

Over mountainous land; through dense undergrowth.

.37 Intersect South Boundary of the Uintah Indian Reservation,

set a sandstone, 18x10x5 ins., 12 ins. in the ground, for closing cor. of frac. secs. 15 and 21, mkd. C C U I R , with 3 grooves on W., 3 grooves on N., and P. L on E. faces; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

From the closing cor. the 29th mile cor. on the boundary , as established by Deputies A.H. and F.M. Brown, bears as follows:

S  $19^{\circ} W.$ , 1.81 chs., to mile stone No. 29.

Land, mountainous.

Soil, gravelly; 3rd rate.

No timber.

Undergrowth, sage brush.

No grass.

Mountainous land, or land covered with dense undergrowth, 0.37 chs.

N.  $0^{\circ} 2' E.$ , bet. secs. 15 and 16.

Over mountainous land; through dense undergrowth.

Asc.

5.00 Top of ridge, 120 ft. above sec. cor., bears N.  $80^{\circ} E.$  and S.  $80^{\circ} W.$

Subdivision of T 5 S - R 3 W.-Continued

Chs.	Desc.
14.25	Bottom of hollow, 100 ft. below ridge, course N.80°E. Asc.
30.00	Top of ridge, 100 ft. above hollow, bears N.80°E. and S.80°W. Desc.
40.00	Set a limestone, 24x12x3 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec.cor., mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
62.50	Bottom of hollow, 120 ft. below ridge, course NE.
Asc.	
80.00	Set a limestone, 20x14x4 ins., 15 ins. in the ground, for cor. of secs. 9, 10, 16, and 16, mkd. with 4 notches on S. and 3 notches on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, mountainous. Soil, gravelly; 3rd rate. No timber. Undergrowth, sage brush and shadscales. No grass. Mountainous land, or land covered with dense undergrowth,
80.00 chs.	

West, on a random line bet. secs. 9 and 16.

40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.96	Intersect N. and S. line, 10 lks. S. of the cor. of secs. 8, 9, 16 and 17. Thence I run S.89° 56'E., on a true line bet. secs. 9 and 16. Over mountainous land; through dense undergrowth.
	Desc.
20.00	Bottom of hollow, 130 ft. below sec.cor., course N.60°E. Asc.

Subdivision of T 5-S E 3 W -Continued

Chs.	
39.98	Set a sandstone, 20x12x3 ins., 15 ins. in the ground, for 1/2 sec.cor.. mkd. 1/4 on N. face; and raise a mound of stone, 1/2 ft. base, 1 1/2 ft. high, N. of cor.
48.00	Top of ridge, 150 ft. above hollow, bears N. 60° E. and S. 60° W.
	Desc.
79.96	The cor.of secs. 9,10,15, and 16. Land, mountainous. Soil, gravelly and white clay; 3rd rate. No timber. Undergrowth, sage brush and shadscales. No grass Mountainous land, or land covered with dense undergrowth, 79.96 chs.

May 31, 1904.

---

June 1, 1904: At 7 h 3 m a.m., l.m.t., I set off  $40^{\circ}04'$  N., on  
the lat.arc;  $22^{\circ}04'N$ , on the decl.arc; and determine a  
mer. with the solar, at the cor.of secs. 9,10,15, and 16.  
Note: The line bet.secs. 10 and 15 will intersect the  
Reservation bdy. therefore I run

East, on a true line bet.secs. 10 and 15.

Over mountainous land; through dense undergrowth.

Desc.

10.00 Bottom of <sup>hollow</sup> 40 ft. below sec.cor., course NE .  
Asc.

23.00 Top of ridge, 100 ft. above hollow, bears N. 30° E. and S. 30°  
W.

Desc.

27.70 Intersect South Boundary of the Uintah Indian Reservation  
Set a sandstone, 15x8x3 ins., 10 ins. in the ground, for

Subdivision of T.5 S., R.3 W.-Continued.

Chs. closing cor. of frac. secs. 10 and 15, mkd. C C U I R , with 3 grooves on E. and 2 grooves on N. and P L on E. faces; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, E. of cor. From the closing cor. the 28th mile cor. on the bdy, as established by Deputies A.H. and F.M. Brown, bears as follows:

S.19°W., 6.25 chs., to mile stone No. 28.

Land, mountainous.

Scil, gravelly and white clay; 3rd rate.

No Timber

Undergrowth, sage brush and shadscales.

No grass.

Mountainous land, or land covered with dense undergrowth, 27.70 chs.

---

N.0°2'E., bet. secs. 9 and 10.

Over mountainous land; through dense undergrowth.

Asc.

18.00 Top of spur, 150 ft. above sec. cor., bears E. and W.

Desc.

32.50 Bottom of hollow, 60 ft. below spur, course N.40°E.

Asc.

37.00 Top of spur, 40 ft. above hollow, bears NE and SW.

Desc.

40.00 Set a sandstone, 16x10x4 ins., 11 ins. in the ground, for sec. cor., mkd.  $\frac{1}{2}$  on W. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

41.00 Bottom of hollow, 30 ft. below spur, course N.50°E.

Asc.

48.00 Top of ridge, 40 ft. above hollow, bears N.75°E. and S.75° W.

Desc.

54.00 Bottom of hollow, 80 ft. below ridge, course N.60°E.

Subdivision of T.5 S., R.3 W.-Continued.

- Ghs. Asc.
- 75.50 Top of ridge, 100 ft. above hollow, bears N.  $70^{\circ}$  E. and S.  $70^{\circ}$  W.
- Desc.
- 80.00 Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for cor. of secs. 3, 4, 9, and 10, mkd. with 5 notches on S. and 5 notches on E. edges; dig pits, 18x18x12 ins., in each sec.,  $5\frac{1}{2}$  ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
- Land, mountainous.
- Soil, gravelly and white clay; 3rd rate.
- No timber.
- Undergrowth, sage brush and shadscales.
- No grass.
- Mountainous land, or land covered with dense undergrowth, 80.00 chs.
- 
- N.  $89^{\circ} 56' W.$ , on a random line bet. secs. 4 and 9.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.80 Intersect N. and S. line, 14 lks. S. of the cor. of secs. 4, 5, 8, and 9.
- Thence I run
- S.  $89^{\circ} 50' E.$ , on a true line bet. secs. 4 and 9.
- Over mountainous land, through dense undergrowth.
- Asc.
- 20.00 Top of ridge, 50 ft. above sec. cor., bears N.  $20^{\circ}$  E. and S.  $20^{\circ}$  W.
- Desc.
- 24.00 Head of hollow, 50 ft. below ridge, course N.  $20^{\circ}$  E.
- Asc.
- 29.00 Top of ridge, 25 ft. above hollow, bears N.  $80^{\circ}$  E. and S.  $80^{\circ}$  W.
- Desc.

Subdivision of S. 5, T. 8, R. 3 W. -Continued

Chs.

59.50 Set a sandstone, 18x16x4 ins., 12 ins. in the ground, for sec. cor., mkd.  $\frac{1}{2}$  on N. face; dig pits, 18x18x12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.

Thence descend along south side of long hollow.

79.50 The cor. of secs. 3, 4, 9, and 10..

Land, mountainous.

Soil, gravelly and white clay;  $5\frac{1}{2}$  ra rate.

No timber.

Undergrowth, sage brush and grasses.

No grass.

Mountainous land, or land covered with dense undergrowth,

79.50 chs.

June 1, 1904: At this cor. I set off  $22^{\circ}05'N$ , on the decl. arc; and at 6 h 2 m p.m., 1.m.t., I observe the sun on the mer. the resulting lat. is  $40^{\circ}L.B.N.$ , which is the proper lat. nearly.

---

Note: The line bet. secs. 3 and 10 will intersect the Reservation boundary, therefore I run.

Last, on a true line bet. secs. 3 and 10..

Over-mountainous land; through dense undergrowth.

Descend along south side of hollow.

58.00 Bottom of hollow, 100 ft. below sec. cor., course S.  $70^{\circ}E.$   
acc.

40.00 Set a sandstone, 18x8x5 ins., 11 ins. in the ground, for sec. cor., mkd.  $\frac{1}{2}$  on N. face; dig pits, 18x18x12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.

Desc. gradually.

40.00 Bottom of same hollow, course N.  $60^{\circ}E.$   
acc.

Subdivision of T.5 S. R.3 W.-Continued.

Chs.

- 55.17 Intersect South Boundary of the Uintah Indian Reservation,  
Set a sandstone, 14x10x4 ins. 9 ins. in the ground, for  
closing cor. of frac. secs. 3 and 10, mkd. C C U I R , with  
4 grooves on W., 1 groove on N., and P L on E. faces; dig  
pits, one 24x18x12 ins., W., 7 ft., and one 30x24x12 ins.  
northerly of stone, 3 ft. dist.; and raise a mound of  
earth, 4 ft. base, 2 ft. high, W. of cor.

From the closing cor. the 27th mile cor. on the  
boundary, as established by Deputies A.H. and F.M. Brown,  
bears as follows:

S:19° W., 11.06 chs., to mile stone No. 27.

Land, mountainous.

Soil, gravelly; 3rd rate.

No timber.

Undergrowth, sage brush and shadscales.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth.

55.17 chs.

H.0° 2'E., on a true line bet. secs. 3 and 4.

Over mountainous land; through scattering undergrowth.

Desc.

2.00 Bottom of hollow, 15 ft. below sec. cor., course E.

Asc.

7.00 Top of spur, 100 ft. above hollow, bears E. and W.

Desc.

16.00 Head of hollow, 40 ft. below spur, course NW.

Asc.

30.00 Top of spur, 40 ft. above hollow, bears E. and W.

Desc.

40.00 Set a sandstone, 16x12x4 ins. 11 ins. in the ground, for  
sec. cor. mkd.  $\frac{1}{2}$  on W. face; dig pits, 18x18x12 ins.

Subdivision of T. 5 S. R. 3 W --Continued

Chs. N. and S. of stone, 3 ft. dist.; and raise a mound of earth,  
5 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.

42.00 Bottom or hollow, 150 ft. below ridge, course NE.

Asc.

51.00 Top of ridge, 60 ft. above hollow, bears E. and W.

Desc.

62.00 Bottom of hollow, 60 ft. below ridge, course E.

Asc.

74.00 Top of ridge, 100 ft. above hollow, bears E. and W.

Desc.

91.30 Intersect 1st Standard Parallel South, 5.35 chs. N. 89° 47' E.,  
from the Standard cor. of secs. 33 and 34, heretofore de-  
scribed.  
  
Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for  
closing cor. of secs. 3 and 4, mkd. C.C. on S., with 3 grooves  
(24x18x12 ins.)  
on E., and W. faces; dig pits ~~crosswise~~ on each line E. and W.  
3 ft. and S. of stone, 7 ft. dist.; and raise a mound of earth,  
4 ft. base, 2 ft. high, S. of cor.

Land, mountainous.

Soil, gravelly; 3rd rate.

No timber.

Undergrowth, sage brush and shadscales.

No grass.

mountainous land, 91.30 chs.

June 1, 1904.

---

GENERAL DESCRIPTION.

This frac. township is composed of low rolling mountains,  
very parched and dry in the summer season. The soil is  
gravelly and clay loam; 3rd rate.

The southern part of the township is covered with a  
heavy growth of rather scrubby cedar and pinon pine

Subdivision of T. 5 S., R. 3 W. -Continued

Chs.

timber , and the northern part is mostly sage brush and shadscales.

There is no grass in the township at this season of the year, but late fall rains cause the grass to grow, making fairly good winter grazing.

There is no water in the township.

There is no mineral in the township.

There are no settlers in the township .

*John R Stewart*  
U.S. Deputy Surveyor.

June 1, 1904.

**BLANK**

**PAGE**

29TH MILE.

- 3.19°W., ascending gently over rolling hills.  
 40.00 Set a sandstone, 18x13x4 ins., for  $\frac{1}{2}$  mile cor., dig pits, and mound of earth.  
 74.00 Abrupt descent.  
 79.00 Dry wash.  
 80.00 Set a sandstone, 24x14x6 ins., for 29th mile cor., dig pits and mound of earth.

30TH MILE.

- S.19°W., ascending over rolling hills and sagebrush.  
 40.00 Set a sandstone, 20x14x6 ins., Dig pits and raise a mound of earth.  
 60.00 Enter cedars.  
 80.00 Set a sandstone, 24x14x8 ins., for 30th mile and angle corner, marked etc.-  
     Dig pits and raise mound of earth.

31ST MILE.

- S. $3\frac{1}{2}$ °W., ascending over rolling hills and sagebrush.  
 20.00 Top of bluff. Enter cedars. Descend.  
 26.00 Bottom of draw, draining NE. Ascend over rolling hills and through cedars.  
 40.00 Set a sandstone, 18x12x5 ins., - dig pits, and raise a mound of earth.  
 80.00 Set a sandstone, 20x12x8 ins., for 31st mile corner.-  
     Dig pits and raise mound of earth.

32ND MILE.

- S. $3\frac{1}{2}$ °W., Ascend through cedar timbers.  
 38.00 Top of ridge, bearing E. and W. Descend.  
 40.00 A sandstone in place marked  $\frac{1}{2}$  M. etc., -Raise a stone mound N. of cor.  
 47.00 Bottom of draw, draining NE. Ascend.  
 80.00 A cedar tree for 32nd mile corner.-Dig pits and raise mound of earth etc.

COPY OF BROWN AND BROWN NOTES OF RESERVATION

BOUNDARY, AS WE HAVE THEM.

25TH MILE.

Ascend gently.

- 40.00 Set a sandstone, 18x14x8 ins., for  $\frac{1}{2}$  mile cor., marked  $\frac{1}{2}$  M. on E., U I R etc. etc.  
80.00 Set a sandstone, 20x14x6 ins., fro 25th mile corner,-  
pits and mound of earth.

26TH MILE.

S.19°W.

- 38.00 Top of point, projecting W.  
40.00 Set a sandstone, 20x14x5 ins., mound of stone,  
80.00 Set a sandstone, 18x12x8 ins., for 26th mile corner,-  
pits and mound of earth.

27TH MILE.

S.19°W., ascending gently.

- 2.00 Top, of bluff, bearing E. and W.  
8.00 Bottom of draw, draining E.  
40.00 Set a sandstone, 24x16x4 ins., etc., pits and mound of  
earth.  
30.00 Set a sandstone, 24x16x5 ins., for 27th mile corner.  
Mound of stone.

28th MILE.

S.19°W., ascending over rolling hills.

- 40.00 Set a sandstone, 18x12x5 ins., - dig pits and mound of  
earth.  
30.00 Set a sandstone, 22x14x4 ins., for 28th mile corner.  
dig pits and mound of earth.

of courses which I have abbreviated.

Copy of Brown & Brown Notes - BOOK A-308

of Reservation Boundary — as  
we have them —

25<sup>th</sup> Mile

Accord gently.

40.00 Set sandstone 18 x 14 x 8 ft for 25<sup>th</sup> mile corner  
 $\frac{1}{2}$  M. E., U.R. etc. etc. mound of stone —

80.00 Set sandstone 20 x 14 x 6 for 25<sup>th</sup> mile corner  
pits & mound of earth —

26<sup>th</sup> Mile.

S. 19° W.

Top of joint projecting W.

40.00 Set a sandstone 20 x 14 x 5 — mound of stone

80.00 Set a sandstone 18 x 12 x 8 for 26<sup>th</sup> mile cor.  
pits and mound of earth

27<sup>th</sup> Mile.

S. 19° W. according gently.

Top of bluff bearing S. & W.

Bottom of draw bearing S.

40.00 Set sandstone 20 x 16 x 4 — pits & mound  
of earth.

80.00 Set a sandstone 20 x 16 x 5 — for 27<sup>th</sup> mile corner  
mound of stone .

28<sup>th</sup> Mile.

S. 19° W. according over rolling hills.

40.00 Set a sandstone 18 x 12 x 5 — dig pits &  
mound of earth

80.00 Set a sandstone 20 x 14 x 4 for 28<sup>th</sup> mile cor.  
dig pits & mound of earth.

over

29th Mile

- S. 19° W. Descending gently over rolling hills  
 40.00 Set a sandstone 18 x 12 x 4 for  $\frac{1}{2}$  mile cr.  
 dig pits & mound of earth -  
 74.00 Bluff descent.  
 79.00 Dry wash.  
 80.00 Set sandstone 28 x 14 x 6 for 29th mile cr.  
 dig pits & mound of earth

30 Mile.

- S. 19° W. Ascending over rolling hills and sage brush.  
 40.00 Set a sandstone 20 x 14 x 6, dig pits & raised mound of earth.  
 60.00 Enter cedars.  
 80.00 Set a sandstone 28 x 14 x 8, sin. fr 30 mile and angle corner, marked etc -  
 dig pits and raise mound of earth -

31 Mile

- S. 35° W. Ascending over rolling hills and sage brush.  
 20.00 Top of bluff. Enter cedars, descend.  
 36.00 Bottom of draw, draining N. E., ascend over rolling hills and through cedars.  
 40.00 Set a sandstone 18 x 12 x 5, dig pits & raise mound of earth.  
 80.00 Set a sandstone 20 x 12 x 8 for 31 mile cr.  
 dig pits & raise mound of earth

32 Mile.

- S. 35° W. If sand through cedars.  
 38.00 Top of ridge, bearing S. 4 W. Descend.  
 40.00 If sandstone in place make 3M etc raise stone mound N. of cr.  
 47.00 Bottom of draw, draining N. E., ascend.  
 80.00 Cedar tree for 32 mile cr.  
 dig pits and mound of earth, etc

# FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by .....  
....., United States Deputy Surveyor, to assist in running, measuring, and  
marking the lines and corners described in the foregoing field notes of the survey of .....

owing the respective capacities in which they acted:

....., *Chainman.*  
or final affidavits see book "Z<sup>1</sup>" T.5 S.R.6 W. ...., *Chainman.*  
....., *Moundman.*  
....., *Moundman.*  
....., *Axman.*  
....., *Axman.*  
....., *Flagman.*

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....  
....., United States Deputy Surveyor, in surveying all  
ose parts or portions of the .....

..... of the .....  
..... meridian, ..... of ....., which are represented  
the foregoing field notes as having been surveyed by him and under his direction; and that said survey  
s been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the  
ner monuments established, according to the instructions furnished by the United States Surveyor  
neral for .....

or final affidavits see book "Z<sup>1</sup>" T.5 S.R.6 W. ...., *Chainman.*  
....., *Chainman.*  
....., *Moundman.*  
....., *Moundman.*  
....., *Axman.*  
....., *Axman.*  
....., *Flagman.*

scribed and sworn to before me this .....  
day of ..... , 189 }



**FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.**

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from, ..., United States Surveyor General for, ..., bearing date of the ..., day of ..., 189..., I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for, ..., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of, ...

For final affidavit see book #Z, T.5 S.R.6 V.

... meridian, in the ..., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for, ..., and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 10, 1860.

*United States Deputy Surveyor.*

Subscribed by said ..., and sworn to before me  
this ..., day of ..., 189...

ccccccc  
S.M.A.G.  
ccccccc

**APPROVAL.**

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, October 16, 1904.

The foregoing field notes of the survey of, ..., the subdivision of Township No.5 South Range No.3 West of the Tenth Principal Meridian, Utah,

executed by John R. Stewart and Andy J. Stewart  
their contract No. 271 dated July 22, 1903, having been  
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Edward M. Steele, Jr.*  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in ..., has been correctly copied from the original notes on file in this office.

**BLANK**

**PAGE**

**BLANK**

**PAGE**

R. J. D.

BOOK A-308

FILED AUG 18 1904

AUG 29 1904

0.

## FIELD NOTES

OF THE SURVEY OF THE

NORTH AND WEST BOUNDARIES

of

Township No. 7 South, Range No. 6 West.

of the VINTAGE SPECIAL BASE AND Meridian,

STATE OF UTAH

AS SURVEYED BY

John R. Stewart and Lucy J. Stewart, United States Deputy Surveyors

Under his Contract No. 371, dated July 22, 1903. -780

Survey commenced May 18, 1904. -788

Survey completed May 30, 1904. -790

6-374

67/

**NAMES AND DUTIES OF ASSISTANTS.**

J. Franklin Buffin	Chairman
Angus M. Woodbury	Chairman
John T. Woodbury Jr.	Moundman
William Burridge	Moundman
Cyinby Stewart	Axman
George W. Worthen	Axman
Ashton S. Nebeker	Flagman

For preliminary affidavits book M. T. 5 S., R. 3 W.

BOOK A-308

INDEX DIAGRAM.

*Township \_\_\_\_\_, Range \_\_\_\_\_*

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

*Meanders Page \_\_\_\_\_*

**PRELIMINARY OATHS OF ASSISTANTS.**

---

WE, ..... and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey c

....., Chainman

....., Chainman

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



WE, ..... and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

....., Moundma

....., Moundma

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



WE, ..... and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn and other duties, according to instructions given us, to the best of our skill and ability, in the survey

....., Axme

....., Axme

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



I, ..... , do solemnly swear that I will well and t. perform the duties of flagman according to instructions given me, to the best of my skill and ability, in survey of .....

....., Flagm

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



North boundary of T.7 S., R.6 W.

Survey commenced May 18, 1904, and executed with a Young and Sons light mountain transit, No. 7582, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which also is the least count of the latitude and declination arcs.

The instrument was examined, tested on the mer. at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on August 21, 1903.

I examine the adjustments of the instrument, and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a mer. established by obsn. on Pol., I proceed as follows:

At the cor. of Tps. 6 and 7 S., Rs. 5 and 6 W., latitude  $39^{\circ} 55' 01''$  N., longitude  $110^{\circ} 32' 45''$  W., I set off  $39^{\circ} 55' N.$ , on the lat. arc;  $19^{\circ} 39' N.$ , on the decl. arc; and at 5 h 0 m p.m., l.m.t., I determine a mer. with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

May 18, 1904.

---

May 19, 1904: At 3 h 37.4 m a.m., l.m.t., I obs. Pol. at eastern elong. in accordance with the Manual, and mark a point in the line, thus determined, on a peg driven in the ground, 5.00 chs. N. of the cor.

At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Pol.  $1^{\circ} 34.4'$  to the west, and mark the mer. thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.33 ins. east of the mark determined with the solar.

At 7 h 2 m a.m., l.m.t., I set off  $39^{\circ} 55' N.$ , on the lat. arc;

North boundary of T. 7 S., R. 6 W. -Continued.

- Chs. 18° 47' N., on the decl. arc; and mark the mer. determined with the solar, by a cross on the stone already set 5.00 chs. E. of the cor.; this mark falls 0.26 ins. east of the mer. established by Pol. obsn.  
The solar apparatus by p. m. and a.m. observations defines positions for meridians respectively, about 0° 17" west and 0° 13" east of the mer. established by Pol. obsn.; therefore I conclude that the adjustments of the instrument are satisfactory.  
The magnetic bearing of the meridian at 7 h 30 m a.m., is N. 16° 35' E., the angle thus determined gives the mag. decl. 16° 35' E.

From the cor. of Tps. 6 and 7 S., Rs. 5 and 6 W., heretofore described,

I run

West, on a true line bet. secs. 1 and 36.

Over mountainous land; through aspen saplings and sage brush.

Asc.

5.50 Top of ridge, 200 ft. above Tp. cor., bears N. 20° W. and S. 20° E.  
Desc. abruptly.

28.00 Bottom of canon, 800 ft. below ridge, course N. 20° W.  
Asc.

39.00 Top of spur, 250 ft. above canon, bears N. and S.  
Desc. through scattering timber.

40.00 Set a limestone, 16x16x4 ins., 11 ins. in the ground, for sec. cor. mkd.  $\pm$  on N. face; from which  
A pinon pine, 10 ins. dia., bears N. 33° L., 40 lks. dist., mkd.  $\pm$  S. 36 B T.  
A pinon pine, 4 ins. dia., bears S. 20° E., 50 lks. dist., mkd.  $\pm$  L 1 B T.

North boundary of T.7.S., R 6 W.-Continued.

- Chs.
- 42.00 Bottom of hollow, 150 ft. below spur, course N.10° E.  
Asc.
- 60.00 Top of ridge, 800 ft. above hollow, bears NW and SE.  
Enter heavy timber, bears NW and SE.  
Desc abruptly.
- 76.70 Bottom of steep hollow, 300 ft. below ridge, course N.50° W.  
Asc.
- 80.00 Set a sandstone, 16x7x5 ins., 11 ins. in the ground, for  
cor. or secs. 1, 2, 35, and 36, mka. with 1 notch on E. and 5  
notches on W. edges; from which  
  
A red pine, 8 ins. dia., bears N.30° E., 29 lks.  
dist..mkd.T 6 S R 6 W S 36 B T.  
  
A red pine, 5 ins. dia., bears S.35 °E., 33 lks.  
dist..mkd.T 7 S R 6 W S 1 B T.  
  
A red pine, 20 ins. dia. bears S.42° W., 40 lks.  
dist..mkd.T 7 S R 6 W S 2 B T.  
  
A red pine, 10 ins. dia. , bears N.70° W., 30 lks.  
dist..mkd.T 6 S R 6 W S 35 B T.
- Land, mountainous.
- Soil, gravelly loam; 2nd rate.
- Timber, pinon pine and red pine.
- Undergrowth, sage brush and aspen saplings.
- Good grass for grazing.
- Mountainous or heavily timbered land, or land covered  
with dense undergrowth, 80.00 chs.
- 
- West, on a true line bet. secs. 2 and 35.
- Over mountainous land; through heavy timber.
- Asc.
- 15.60 Top of ridge, 200 ft. above sec.cor. , bears NW and SE.  
Desc.
- 36.00 Leave timber, bears NW and SE.

NORTHERN boundary of T. 7 S. R. 6 W -Continued.

Chs.	
39.80	Old road, bears N. 20° W. and S. 20° E.
40.00	Set a sandstone, 20x12x8 ins., 15 ins. in the ground, for sec.cor.. mkd. on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
41.30	Bottom of canon, 700 ft. below ridge, course N. 20° W.  Asc.
67.00	Top of ridge, 800 ft. above canon, bears N. and S.  Desc.
80.00	Point 300 ft. below ridge.  Set a limestone, 18x10x10 ins. 12 ins. in the ground, for cor. of secs. 2, 3, 34, and 35, mkd. with 2 notches on E. and 4 notches on W. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.  Land, mountainous.  Soil, gravelly; 2nd rate.  Timber, pinon pine and red pine.  Good grass for grazing.  Mountainous or heavily timbered land, 80.00 chs.

West, on a true line bet. secs. 3 and 34.

Over mountainous land; through scattering undergrowth  
and scattering timber.

Desc.

21.75 Bottom of canon, 600 ft. below sec.cor., course N. 10° W.

Asc.

25.50 Top of ridge, 150 ft. above canon, bears N. and S.

There is a spring on the point of this ridge, about 3.00  
chs. N.

Desc.

28.00 Bottom of canon, 150 ft. below ridge, course N. 10° E.

Asc.

North boundary of T 7 S. R. 6 W.-Continued.

chs.

- 40.00 Set a sandstone, 20x10x8 ins., 15 ins. in the ground, for sec. cor., mkd.  $\frac{1}{2}$  on N. face; from which

A pinon pine, 10 ins. diam. bears N., 10 lks. dist.. mkd.  $\frac{1}{2}$  S 34 B T.

A pinon pine, 10 ins. dia., bears S. 80° E., 35 lks. dist.. mkd.  $\frac{1}{2}$  S 3 B T.

- 69.10 Top of ridge, 1000 ft. above canon, bears N. 30° E. and S. 30° W.

Enter heavy timber, bears with ridge.

Desc.

- 74.00 Leave heavy and enter scattering timber, bears N. and S.

- 80.00 Set a limestone, 24x14x5 ins., 18 ins. in the ground, for cor. of secs. 3, 4, 33, and 34, mkd. with 3 notches on E., and W. edges; from which

A pinon pine, 6 ins. dia., bears N. 50° L., 200 lks. dist.. mkd. T 6 S R 6 W S 34 B T.

A pinon pine, 10 ins. dia., bears S. 15° E., 40 lks. dist.. mkd. T 7 S R 6 W S 3 B T.

A pinon pine, 8 ins. dia., bears S. 30° W., 45 lks. dist.. mkd. T 7 S R 6 W S 4 B T.

A pinon pine, 5 ins. dia., bears N. 80° W., 60 lks; dist.. mkd. T 6 S R 6 W S 33 B T.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, pinon pine and red pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

May 19, 1904: At the noon hour the sky is overcast and solar observations are impossible.

---

West, on a true line bet. secs. 4 and 33.

North boundary of T 7 S' R 6 W -Continued.

Chs.	Over mountainous land; through scattering timber.
	Desc.
20.00	Bottom of hollow, 400 ft. below sec.cor., course N.10°W.
	Asc.
27.80	Top of ridge, 150 ft. above hollow, bears N.30°W. and S.30°E.
	Desc.
40.00	Set a sandstone, 28x7x6 ins., 21 ins. in the ground, for sec.cor.. mkd. $\frac{1}{2}$ on N. face; from which A pinon pine, 6 ins. dia., bears N.70°W., 100 lks. dist.. mkd. $\frac{1}{2}$ S 33 B T. A pinon pine, 7 ins. dia., bears S.60°E., 250 lks. dist.. mkd. $\frac{1}{2}$ S 4 B T..
40.70	Bottom of hollow, 100 ft. below ridge, course N.10°W.
	Asc.
45.75	Top of spur, 100 ft. above hollow, bears N. and S.
	Desc.
52.20	Bottom of canon, 100 ft. below spur, course N.20°E.
	Asc.
53.60	Old wood road, bears N.20°E. and S.20°W. From this point a small spring bears NE about 10.00 chs. dist.
71.00	Enter heavy pinon pine and cedar timber, bears N. and S.
80.00	Top of ridge, 700 ft. above canon, bears N.45°E. and S.30°W. Set a limestone, 18x10x6 ins., 12 ins. in the ground, for cor. of secs. 4, 5, 32, and 33, mkd. with 4 notches on E. and 2 notches on W. edges; from which A red pine, 5 ins. dia., bears N.25°E., 50 lks. dist.. mkd. T 6 S R 6 W S 33 B T. A red pine, 4 ins. dia., bears S.15°E., 75 lks. dist.. mkd. T 7 S R 6 W S 4 B T. A red pine, 10 ins. dia. bears S.30°W., 100 lks. dist.. mkd. T 7 SR 6 W S 5 B T. A red pine, 5 ins. dia., bears N.25°E., 50 lks.

North boundary of T.7 S . .R 6 W.—Continued.

Chs. dist.; mkd T 6 S R 6 W S 32 B T.  
Land, mountainous.  
Soil, gravelly loam; 2nd rate.  
Timber, pinon pine and red pine, and cedar.  
Good grass for grazing.  
Mountainous or heavily timbered land, 80.00 chs.

West, on a true line bet. secs. 5 and 32.

Over mountainous land; through heavy timber,

Desc.

- 20.00 Bottom of hollow, 600 ft. below ridge, course NW.  
Asc.  
27.00 Leave timber, bears N. and S.  
28.00 Top of spur, 150 ft. above hollow, bears N. 20° W. and S. 20° E.  
Desc.  
36.50 Bottom of canon, 200 ft. below ridge, course N. 20° E.  
Asc.  
40.00 Set a sandstone, 15x15x7 ins., 10 ins. in the ground, for  
sec. cor. mkd.  $\frac{1}{2}$  on N. face; dig pits, 18x18x12 ins., E. and  
W. of stone, 3 ft. dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft.  
base,  $1\frac{1}{2}$  ft. high, N. of cor.  
65.00 Top of ridge, 700 ft. above hollow, bears N. 20° E. and S. 20°  
W.  
Desc. through timber.  
80.00 Set a sandstone, 14x14x10 ins., 9 ins. in the ground, for  
cor. of secs. 5, 6, 31, and 32, mkd. with 5 notches on E. and 1  
notch on W. edges; from which  
A red pine, 8 ins. dia., bears N. 41° E., 260 lks.  
dist.. mkd. T 6 S R 6 W S 32 B T.  
An aspen, 6 ins. dia., bears S. 1° 40' E., 315 lks.  
dist.. mkd. T 7 S R 6 W S 5 B T.  
An aspen, 14 ins. dia., bears S. 55° W., 144 lks.

North boundary of T.7 S. R.6 W.-Continued.

Chs.

dist..mkd.T 7 S R 6 W S 6 B T.

An aspen, 15 ins. dia., bears N. 63° W., 173 lks.

dist..mkd.T 6 S R 6 W S 31 B T.

Land, mountainous..

Soil, gravelly loam; 2nd rate.

Timber, pinon pine, red pine, and aspen ..

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

May 19, 1904.

May 20, 1904: At 7 h 2 m a.m., l.m.t., I set off 39° 55' N., on the lat. arc; 19° 59' N., on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 5, 6, 31, and 32.

Thence I run

West, on a true line bet. secs. 6 and 31.

Over mountainous land; through heavy timber.

Desc.

1.50 Bottom of hollow, 10 ft. below sec. cor., course N. 20° W.

Asc.

8.00 Top of ridge, 120 ft. above hollow, bears N. 20° W. and S. 20° E.

Desc.

8.25 Leave heavy and enter scattering timber, bears N. 20° W. and S. 20° E.

20.00 Bottom of hollow, 300 ft. below ridge, course N. 10° E.

Asc.

32.00 Top of ridge, 400 ft. above hollow, bears N. and S.

Desc.

40.00 Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for  $\frac{1}{2}$  sec. cor.. mkd.  $\frac{1}{2}$  on N. face; from which,

A red pine, 8 ins. dia., bears N. 39° W., 298 lks.

dist..mkd.  $\frac{1}{2}$  S 31 B T.

North boundary of T.7S.,R.6 W.-Continued.

Chs. A red pine, 6 ins.dia., bears S.40° E., 205 lks.  
dist..mkd. $\frac{1}{2}$  S 6 B T.

60.00 Bottom of hollow, 400 ft. below ridge, course N.20° E.

Asc. Allowing for convergency of Meridian.  
70.79 Set a sandstone, 18x9x6 ins., 12 ins. in the ground, for  
cor.of Tps. 6 and 7 S., Rs. 6 and 7 W., mkd. with 6 notches  
on each edge; from which

A red pine, 7 ins.dia., bears N.71° E., 116 lks.  
dist..mkd.T 6 S R 6 W S 31 B T.

A pinon pine, 16 ins.dia., bears S.51° 30' E., 194  
lks. dist..mkd.T 7 S R 6 W S 6 B T.

A red pine, 12 ins.dia., bears S.78° W., 104 lks.  
dist..mkd.T 7 S R 7 W S 1 B T.

A red pine, 30 ins.diam.; bears N.15° W., 520 lks.  
dist..mkd.T 6 S R 7 W S 36 B T.

Land, mountainous.

Soil, gravelly; 2nd rate.

Timber, pinon pine, red pine, and aspen.

Good grass for grazing.

Mountainous or heavily timbered land, 78.79 chs.

West boundary of T.7 S., R.6 W.

From the cor.of Tps. 6 and 7 S., Rs. 6 and 7 W., heretofore  
described.

I run

South, on a true line along W.bdy.of Tp., bet.secs.1 and 6.  
Over mountainous land; through scattering undergrowth and  
scattering timber.

Desc.along side of ridge.

40.00 Set a sandstone, 22x6x4 ins., 16 ins. in the ground, for  
 $\frac{1}{2}$  sec.cor..mkd. $\frac{1}{2}$  on W.face; from which

A red pine, 14 ins.dia., bears S.42° E., 275 lks.

West boundary of T 7 S - R 6 W -Continued

- Chs. dist..mkd. $\frac{1}{4}$  S 6 B T.  
A balsam, 8 ins.dia.., bears S.  $16^{\circ}30'W.$ , 325 lks.  
dist..mkd. $\frac{1}{4}$  S 1 B T.
- 43.00 Head of canon, 600 ft. below sec.cor., course N.  $20^{\circ}E.$   
Asc. Top of dividing ridge bears E. and W.
- 51.00 Intersect South Boundary of the Uintah Indian Reservation,  
Set a sandstone, 18x12x4 ins., 12 ins.in the ground, for  
closing cor.of Tps., 7 S., Rs. 6 and 7 W., mkd.C C UIR, with  
1 groove on N., 6 grooves on E., 6 grooves on W., and P L..  
on S.faces; from which  
A red pine, 8 ins.dia.., bears N.  $70^{\circ}E.$ , 168 lks.  
dist..mkd.T 7 S R 6 W S 6 B T.
- A red pine, 7 ins.dia.., bears N.  $51^{\circ}W.$ , 34 lks.  
dist.., mkd.T 7 S R 7 W S 1.B T.
- From the closing cor.the 60th mile cor.on the boundary ,  
as established by Deputies A.H. and F.M.Brown, bears as  
follows:  
N.  $89^{\circ}15'W.$ , 13.23 chs., to mile post No. 60.  
Land, mountainous.  
Soil, gravelly loam; 2nd rate.  
Timber, pinon pine and red pine.  
Undergrowth, sage brush.  
Good grass for grazing.  
Mountainous land, 51.00 chs.  
May 20, 1904: At this cor.I set off  $20^{\circ}01'N.$ , on the decl.  
arc; and at 0 h 2 m p.m...l.m.t., I observe the sun on the  
mer. the resulting lat.is  $39^{\circ}54'N.$ , which is the proper  
lat.nearly.

May 20, 1904.

West boundary of T. 7 S. R. 6 W.-Concluded.

Boundaries of T. 7 S., R. 6 W.  
Latitudes, departures, and closing errors.

Line	designated	True bearing	dist- ance	Latitudes		Departures	
				N.	S.	E.	W.
			chs.	chs.	chs.	chs.	chs.
W.bdy.T.7 S.,R.6 W.		North	51.00	51.00			
N.bdy.T.7 S.,R.6 W.		East	478.79		478.79		
E.bdy.T.7 S.,R.6 W.		South	99.00		99.00		
S.bdy.U.I.Reservation	S.64°15'W.		39.63		17.21		35.70 ✓
S.bdy.U.I.Reservation	N.38°W.		10.00	7.88			6.16 ✓
S.bdy.U.I.Reservation	N.72°45'W.		57.00	16.90			54.44 ✓
S.bdy.U.I.Reservation	S.65°15'W.		16.00		6.70		14.53 ✓
S.bdy.U.I.Reservation	N.88°45'W.		90.30	1.97			90.28 ✓
S.bdy.U.I.Reservation	S.79°30'W.		26.70		4.87		26.25 ✓
S.bdy.U.I.Reservation	N.52°45'W.		3.00	1.82			2.39 ✓
S.bdy.U.I.Reservation	N.73°15'W.		40.00	11.53			38.30 ✓
S.bdy.U.I.Reservation	S.63°W.		18.00		8.17		16.04 ✓
S.bdy.U.I.Reservation	N.73°30'W.		40.00	11.36			38.35 ✓
E.bdy.U.I.Reservation	N.35°W.		11.00	9.01			6.31 ✓
S.bdy.U.I.Reservation	N.80°45'W.		32.50	5.22			32.08 ✓
S.bdy.U.I.Reservation	S.74°30'W.		10.50		2.80		10.12 ✓
S.bdy.U.I.Reservation	N.61°15'W.		41.30	19.86			36.21 ✓
S.bdy.U.I.Reservation	S.62°15'W.		10.70		4.98		9.47 ✓
S.bdy.U.I.Reservation	S.86°W.		7.00		.49		6.98 ✓
S.bdy.U.I.Reservation	N.41°45'W.		9.10	6.79			6.06 ✓
S.bdy.U.I.Reservation	N.89°15'W.		46.67	.61			46.67 ✓
Convergency						.10	X
Totals				143.95	144.23	478.89476.34	
Error in lat.					143.95	476.34	
Error in dep.					.27		2.55 ✓

General Description.

Boundaries of T 7 S . R 6 W -Concluded

This frac.township is high rolling mountains, well adapted for grazing. It should be subdivided.

John R Stewart  
U.S. Deputy Surveyor.

May 20, 1904.

# FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by .....  
..... United States Deputy Surveyor, to assist in running, measuring, and  
marking the lines and corners described in the foregoing field notes of the survey of .....  
owing the respective capacities in which they acted:

....., *Chainman.*  
For final affidavits see book "Z" T. 5 S., R. 6 W. ...., *Chainman.*  
....., *Moundman.*  
....., *Moundman.*  
....., *Axman.*  
....., *Axman.*  
....., *Flagman.*

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....  
....., United States Deputy Surveyor, in surveying all  
se parts or portions of the .....

....., of the .....,  
....., meridian, ..... of ..... which are represented  
he foregoing field notes as having been surveyed by him and under his direction; and that said survey  
been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the  
her monuments established, according to the instructions furnished by the United States Surveyor  
eneral for .....

....., *Chainman.*  
For final affidavits see book "Z" T. 5 S., R. 6 W. ...., *Chainman.*  
....., *Moundman.*  
....., *Moundman.*  
....., *Axman.*  
....., *Axman.*  
....., *Flagman.*

scribed and sworn to before me this ..... }  
day of ..... , 190 }  
{

666666  
6 HEAD 6  
666666

# FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

United States Deputy Surveyor,

I, John R. Stewart, do solemnly swear that, in pursuance of a contract received from the United States Surveyor General for surveying the boundaries of the North and West Foundations of North and West Townships, No. 7 South, District No. 6 West, of the Utah Central Range and Meridian, Utah, on the 22nd day of July, A.D. 1901, I have well, faithfully, and truly, to my proper person, and to strict conformity with the instructions furnished by the United States Surveyor General for the surveying of the same, in accordance with the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts so prescribed.

For final affidavits see book "Z" T. S. S. N. S. Y.

I, John R. Stewart, do solemnly swear that, in pursuance of a contract received from the United States Surveyor General for surveying the boundaries of the North and West Foundations of North and West Townships, No. 7 South, District No. 6 West, of the Utah Central Range and Meridian, Utah, on the 22nd day of July, A.D. 1901, I have well, faithfully, and truly, to my proper person, and to strict conformity with the instructions furnished by the United States Surveyor General for the surveying of the same, in accordance with the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts so prescribed.

John R. Stewart, Deputy Surveyor,

Suretyed by me, Andy J. Stewart, and known to be true this

22nd day of July, A.D. 1901.



## APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

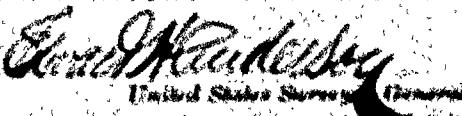
SALT LAKE CITY, UTAH, October 16, 1901.

The foregoing field notes of the survey of North and West Foundations of Township No. 7 South, District No. 6 West, of the Utah Central Range and Meridian, Utah,

executed by John R. Stewart and Andy J. Stewart

under his contract No. 271, dated July 22, 1901,

has been critically examined, and the necessary corrections and explanations made; the said field notes, and the surveys they describe, are hereby approved.

  
George W. Knobell  
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys is  
has been correctly copied from the original notes on file in this office.

John R. Stewart  
United States Surveyor General

**BLANK**

**PAGE**

---

**BLANK**

**PAGE**

FILED AUG 29 1904  
BOOK A-308FILED  
AUG 29 1904P.  
FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 7 South, Range No. 6 West.

Of the UTAH SPECIAL BASE AND Meridian,

STATE OF UTAH.

AS SURVEYED BY

H. R. Stewart and Andy J. Stewart, United States Deputy Surveyors  
their  
Surveyor's Contract No. 271, dated July 22, 1903  
Survey commenced June 6, 1904  
Survey completed June 8, 1904

6-101

Aug. 2 9-32.74  
Aug. 3 55.07

## NAMES AND DUTIES OF ASSISTANTS.

J. Franklin Duffin,.....Chainman.

Angus M. Woodbury,.....Chainman.

John T. Woodbury, Jr.,.....Moundman.

William Burridge,.....Moundman.

Quinby Stewart,.....Axman.

George W. Worthen,.....Axman.

Ashton S. Nebeker,.....Flagman.

For preliminary oaths see book "N", T. 5 S., R. 3 W.

BOOK A-308

INDEX DIAGRAM.

*Township* \_\_\_\_\_, *Range* \_\_\_\_\_

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

*Meanders Page* \_\_\_\_\_

DOUIN R 300

**PRELIMINARY OATHS OF ASSISTANTS.**

WE, ..... and .....  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., *Chainman.*

....., *Chainman.*

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



WE, ..... and .....  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey o

....., *Moundma..*

....., *Moundma..*

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



WE, ..... and .....  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn

and other duties, according to instructions given us, to the best of our skill and ability, in the survey o

....., *Axma*

....., *Axma*

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



I, ..... , do solemnly swear that I will well and t...  
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in t  
survey of .....

....., *Flagme*

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



12981 A-3

Subdivision of T. 7 S., R. 6 W.

Survey commenced June 6, 1904, and executed with a Young and Sojs light mountain transit, No. 7382, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the mer. at Salt Lake City, found correct and was approved by the surveyor general for Utah, on August 21, 1904.

To examine the adjustments of the instrument, and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a mer. determined by obsn. on Pol., I proceed as follows:

At the cor. of secs. 1, 2, 35, and 36, on N. bdy. of Tp., latitude  $39^{\circ} 55' 01''$  N., longitude  $110^{\circ} 33' 52''$  W., I set off  $39^{\circ} 55' N.$ , on the lat. arc;  $22^{\circ} 43' N.$ , on the decl. arc; and at 5 h 2 m p.m., l.m.t., I determine a mer. with the solar and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

June 6, 1904.

---

June 7, 1904: At 2 h 23 m a.m., l.m.t., I obs. Pol. at eastern elong. in accordance with the Manual, and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs. N. of the cor.

At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Pol.  $1^{\circ} 34.4'$  to the west, and mark the mer. thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.41 ins. east of the mark determined with the solar.

At 7 h 2 m a.m., l.m.t., I set off  $39^{\circ} 55' N.$ , on the lat. arc;

## Subdivision of T.7 S., R.6 W.-Continued.

Chs.	<p><math>22^{\circ}46'N.</math>, on the decl.arc; and mark the mer.determined with the solar, by a cross on the stone already set 5.00 chs. N.of the cor.; this mark falls 0.31 ins.east of the mer. established by Pol.obsn.</p> <p>The solar apparatus by p.m.and a.m.observations, defines positions for meridians,respectively about <math>0^{\circ}22'</math>west and <math>0^{\circ}16'</math>east of the mer.established by Pol.obsn.; therefore I conclude that the adjustments of the instrument are satisfactory.</p> <p>The magnetic bearing of the mer.at 7 h 50 m a.m.,is <math>N.16^{\circ}35'W.</math>, the angle thus determined,gives the mag.decl <math>16^{\circ}35'E.</math></p>
	<p>From the cor.of secs.1,2,35, and 36, on N.bdy.of Tp., heretofore described.</p> <p>I run</p> <p><math>S.0^{\circ}1'E.</math>, bet.secs.1 and 2.</p> <p>Over mountainous land;through scattering timber.</p> <p>Asc.</p>
13.00	<p>Top of ridge, 400 ft.above sec.cor., bears NW and SE.</p> <p>Desc.</p>
40.00	<p>Set a sandstone, <math>20 \times 8 \times 6</math> ins., 15 ins.in the ground, for <math>\frac{1}{4}</math> sec.cor..mkd.<math>\bar{z}</math> on W.face; from which</p> <p>A pinon pine, 7 ins.dia., bears <math>N.47^{\circ}E.</math>, 33 lks. dist..mkd.<math>\bar{z}</math> S 1,B T.</p> <p>A pinon pine, 6 ins.dia. bears <math>S.40^{\circ}W.</math>, 29 lks. dist..mkd.<math>\bar{z}</math> S 2 B T.</p>
52.00	<p>Bottom of canon, 400 ft.below ridge , course NW; Spring branch, 3 lks.wide,<math>z</math> ins.deep,in bottom , course NW.</p> <p>Asc.</p>
52.15	Dug way and wagon road,bears NW and SE.
68.00	Leave timber,bears E.and W.

Subdivision of T 7 S .R 6 W - Continued

Chs.

68.50 Top of ridge, 400 ft. above canon, bears N.80° E. and S.80° W.

Desc.

71.50 Bottom of hollow, 150 ft. below ridge, course N.80° E.

Asc.

80.00 Top of ridge, 300 ft. above hollow, bears NE and SW.

Set a sandstone, 18x7x5 ins., 12 ins. in the ground, for cor. of secs. 1, 2, 11, and 12, mkd. with 5 notches on S. and 1 notch on E. edges; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Good grass for grazing.

Mountainous land, 80.00 chs.

---

East, on a random line bet. secs. 1 and 12.

40.00 Set temp.  $\frac{1}{2}$  sec. cor.

79.70 Intersect E. bdy. of Tp., at the cor. of secs. 1, 6, 7, and 12, heretofore described.

Thence I run

West, on a true line bet. secs. 1 and 12.

Over mountainous land; through dense undergrowth.

Asc.

23.00 Top of ridge, 200 ft. above sec. cor., bears N.60° W. and S. 50° E.

Desc.

39.85 Set a sandstone, 20x12x4 ins., 15 ins. in the ground, for  $\frac{1}{2}$  sec. cor.. mkd.  $\frac{1}{2}$  on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.

41.50 Dug way road(not finished); bears N. and S.

53.00 Bottom of canon, 600 ft. below ridge, course NW.

Asc.

Subdivision of T 7 S R 6 W -Continued

Chs.	
55.50	Same dug way, bears NW and SE.
64.20	Top or spur, 500 ft. above hollow, bears N. 10° W. and S. 10° E.
	Desc.
71.25	Bottom of hollow, 250 ft. below spur, course N. 10° E.
	Asc.
71.50	Enter scattering red pine timber, bears N. and S.
79.70	The cor. of secs. 1, 2, 11, and 12. Land, mountainous. Soil, gravelly loam; 2nd rate. Timber, red pine. Undergrowth, sage brush. Good grass for grazing. Mountainous land, or land covered with dense undergrowth, 79.70 chs.

Note: The line bet. secs. 11 and 12 will intersect the Reservation boundary, therefore I run S. 0° 1' E., on a true line bet. secs. 11 and 12.  
Over mountainous land; through scattering timber.  
Ascend along side of ridge.

16.72 Intersect South Boundary of the Uintah Indian Reservation, Set a sandstone, 20x6x6 ins., 15 ins. in the ground, for closing cor. or frac. secs. 11 and 12, mkd. C. O U I R with 1 groove on N. and 1 groove on E. and P L on S. faces; from which

A red pine, 22 inc. diam., bears N. 30° E., 68 lks.  
dist.. mkd. T 7 S R 6 W S 12 B T.

A red pine, 15 ins. dia., bears N. 50° W., 49 lks.  
dist.. mkd. T 7 S R 6 W S 11 B T.

From the closing cor. the  $\frac{1}{2}$  mile cor. bet. the 54th and 55th

Subdivision of T. 7 S. R. 6 W.-Continued.

Chs.	mile cor.on the bdy.,as established by Deputies AH . and F.M.Brown,bears as follows:  S.72°45'E.,6.44 chs.,to the $\frac{1}{2}$ mile stone bet. the 54th and 55th. mile corners.
	Land,mountainous.
	Soil,gravelly loam;2nd rate.
	Timber,red pine.
	Good grass for grazing.
	Mountainous land,16.72 chs.
	June 7,1904:at this cor.I set off 22°47'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the mer.the resulting lat.is 39°54'N.,which is the proper lat.nearly.
	From the cor.of secs.2,3,34, and 35, on N.bdy.or Tp., heretofore described.  I run  S.0°1'E.,bet.secs.2 and 3.  Over mountainous land;through scattering red pine and pinon pine timber.  Ascend along side of mountain.  40.00 Top of ridge,300 ft.above sec.cor.,bears E.and W.  Set a sandstone,18x8x6 ins.,12 ins.in the ground,for sec.cor..mkd.2 on W.face;from which  A pinon pine,14 ins.dia.,bears N.49°L.,50 lks. dist..mkd.2 C 2 B T.  A pinon pine,10 ins.dia..bears S.40°W.,40 lks. dist..mkd.2 C 3 B T.  Desc.  50.00 Bottom of hollow,150 ft.below ridge,course W.  ASC.  80.00 Set a sandstone,14x9x8 ins.,9 ins.in the ground,for

Subdivision of T. 7 S., R. 6 W.-Continued.

- Chs. cor. or secs. 2, 3, 10, and 11, mkd. with 5 notches on S. and 2 notches on E. edges; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- Land, mountainous.
- Soil, gravelly loam; 2nd rate.
- Timber, pinon pine and red pine.
- Good grass for grazing.
- Mountainous land, 80.00 chs.
- 
- East, on a random line bet. secs. 2 and 11.
- 40.00 Set temp.  $\pm$  sec. cor.
- 79.90 Intersect N. and S. line, 14 lks. S. of the cor. of secs. 1, 2, 11, and 12.
- Thence I run  
S.  $89^{\circ} 54' W.$ , on a true line bet. secs. 2 and 11.  
Over mountainous land; through scattering timber.  
Ascend along side of ridge.
- 17.00 Top of ridge, 450 ft. above sec. cor., bears N.  $20^{\circ} E.$  and S.  $20^{\circ} W.$   
Desc.
- 34.50 Bottom of steep canon, 700 ft. below ridge, course N.  
Asc.
- 39.95 Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor.. mkd.  $\frac{1}{4}$  on N. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- 56.00 Top of ridge, 750 ft. above canon, bears N. and S.  
Desc.
- 79.90 The cor. of secs. 2, 3, 10, and 11.  
Land, mountainous.  
Soil, gravelly loam; 2nd rate.  
Timber, red pine and pinon pine.  
Good grass for grazing.

## Subdivision of T. 7 S. R. 6 W.-Continued.

Chs. Mountainous land, 79.90 chs. . .

Note: The line bet. secs. 10 and 11 will intersect the Reservation boundary, therefore I run

S. 0° 1'E., on a true line bet. secs. 10 and 11.

Over mountainous land; through scattering timber.

Asc. along side of hollow.

2.00 Head of hollow, 200 ft. above sec. cor., course N. 10° W.  
Asc.

16.96 Intersect South Boundary of the Uintah Indian Reservation,  
Set a sandstone, 10x7x5 ins., 11 ins. in the ground, for  
closing cor. of frac. secs. 10 and 11, mkd. C C U : R , with  
1 groove on N. and 2 grooves on E. faces; and raise a mound  
of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.

From the closing cor. the  $\frac{1}{2}$  mile cor. bet. the 55th and 56th  
mile corners, on the bay., as established by Deputies A.H.  
and F.M. Brown, bears as follows:

S. 88° 45' E., 8.30 chs., to the  $\frac{1}{2}$  mile cor. bet. the  
55th and 56th mile corners.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, red pine.

Good grass for grazing.

Mountainous land, 16.96 chs.

June 7, 1904.

June 8, 1904: At 7 h 3 m a.m.l.m.t., I set off 39° 55' N., on  
the lat. arc; 22° 52' N., on the decl. arc; and determine a  
mer. with the solar, at the cor. of secs. 3, 4, 33, and 34,

Subdivision of T. 7 S. R. 6 E., Continued.

cts. on N. bdy. of Sp., heretofore described:

Thence 1 mi.

S. 62' E., bet. sect. 3 and 4.

Over mountainous land; through scattering red pine and pinon pine timber.

Acre.

25.00 Top of ridge, 250 ft. above sec. cor., bears N. 20° E. and S. 20° E.

Desc.

40.00 Set a sandstone, 18x6x4 ins.; 11 ins. in the ground, for sec. cor., mkd. E or W. face; and raise a mound of stone, 2 ft. base, 18 ft. high, E. of cor. A. 100 ft. from cor. and

65.25 Bottom of hollow, 350 ft. below ridge, course N. 80° E.

Acre.

71.00 Top of spur, 150 ft. above hollow, bears NE. and S. 70° E. Continue ascent along side of ridge.

80.00 Set a limestone, 16x6x4 ins.; 11 ins. in the ground, for cor. of sect. 3, 4, 8, and 10, mkd. with 6 notches on E. and 3 notches on E. edges; from which:

A pinon pine, 10 ins. dia., bears N. 15° E., 215 lks. dist., mkd. T 7 S R 6 E S 3 B T.

A pinon pine, 6 ins. dia., bears S. 60° E., 160 lks. dist., mkd. T 7 S R 6 E W S 10 B 1.

A pinon pine, 7 ins. dia., bears S. 70° E., 80 lks. dist., mkd. T 7 S R 6 E W S 9 B T.

A pinon pine, 12 ins. dia., bears N. 60° E., 120 lks. dist., mkd. T 7 S R 6 E W S 4 B T.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, pinon pine and red pine.

Good grass for grazing.

Mountainous land, 80.00 cts.

Subdivision of T. 7 S., R. 6 W.-Continued.

Chs.

East, on a random line bet. secs. 3 and 10.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.76 Intersect N. and S. line, 23 lks. N. of the cor. of secs. 2, 3, 10, and 11.

Thence I run

N. 89° 50' W., on a true line bet. secs. 3 and 10.

Over mountainous land; through scattering aspen and pine timber.

Desc.

3.00 Bottom of canon, 250 ft. below sec. cor., course N. 20° W.  
Asc.

13.00 Top of ridge, 250 ft. above canon, bears N. and S.

Desc.

19.00 Bottom of hollow, 200 ft. below ridge, course N.  
Asc.

23.00 Top of spur, 200 ft. above hollow, bears N. 10° E. and S. 10° W.

Desc.

33.00 Bottom of hollow, 100 ft. below spur, course N. 20° E.  
There is a seeping spring in hollow at this point.  
Asc.

39.88 Set a limestone, 20x10x4 ins., 15 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor.. mkd.  $\frac{1}{4}$  on N. face; from which

A pinon pine, 14 ins. dia., bears S., 175 lks.  
dist. mkd.  $\frac{1}{4}$  S 10 B T.

A pinon pine, 6 ins. dia., bears N. 80° W., 250  
lks. dist. mkd.  $\frac{1}{4}$  S 3 B T.

46.00 Top of ridge, 350 ft. above hollow, bears N. 10° E. and S. 10° W.

Desc.

57.00 A small spring bears N. about 2.60 chs. dist.

60.00 Bottom of canon, 400 ft. below ridge, course N. 15° E.

Asc.

Subdivision of T. 7 S. R. 6 W.-Continued.

Chs.

79.76 The cor. of secs. 3, 4, 9, and 10..

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, pinon pine, red pine and aspen.

Good grass for grazing.

Mountainous land, 79.76 chs.

---

Note: The line bet. secs. 9 and 10 will intersect the Reservation Bdy., therefore I run

S. 0° 2' E., on a true line bet. secs. 9 and 10.

Over mountainous land; through scattering timber.

Asc.

15.25 Top of divide ridge bet. Sower's and Argyle Canon, 200 ft. above sec. cor., bears N. 70° W. and S. 70° E.

Desc.

16.60 Intersect South Boundary of the Uintah Indian Reservation, Set a pine post, 3 ft. long, 6 ins. sq., 24 ins. in the ground, for closing cor. of frac. secs. 9 and 10, mkd.

C C U 1 R T 7 S R 6 W , with 1 groove on N.,

X S 10, with 3 grooves on E.,

X S 9 on W., and

P L on S. faces; from which

A pinon pine, 14 ins. dia. bears N. 75° E., 200 lks.

dist.. mkd. T 7 S R 6 W S 10 B T.

A pinon pine, 7 ins. dia., bears N. 70° W., 180 lks.

dist.. mkd. T 7 S R 6 W S 9 B T.

From the closing cor. the  $\frac{1}{2}$  mile cor. bet. the 56th and 57th mile cors. on the bdy., as established by Deputies A.H. and F.M. Brown, bears as follows:

S. 73° 15' E., 9.40 chs. to the  $\frac{1}{2}$  mile cor. bet. the 56th and 57th mile cors.

Land, mountainous.

103

Subdivision of T 7 S. R 6 W -Continued.

Chs.	Soil, gravelly loam; 2nd rate.
	Timber, red pine and aspen and pinon pine.
	Good grass for grazing.
X	Mountainous land, 16.60 chs.
	June 8, 1904: At the noon hour the sky is overcast and solar observations are impossible.

From the cor. or secs. 4, 5, 32, and 33, on N. bdy. of Tp., heretofore described.

I run

S. 0° 3' E., bet. secs. 4 and 5.

Over mountainous land; through scattering timber.

Desc.

28.00	Bottom of hollow, 500 ft. below sec. cor., course E. Enter scattering undergrowth, bears with hollow, Asc.
32.50	Top of spur, 150 ft. above hollow, bears E. and W. Desc.
40.00	Set a sandstone, 20x12x5 ins. 15 ins. in the ground, for $\frac{1}{2}$ sec. cor.. mkd. $\frac{1}{2}$ on W. face; from which A pinon pine, 12 ins. dia.. bears S. 45° E., 120 lks. dist.. mkd. $\frac{1}{4}$ S 4 B T. A pinon pine, 10 ins. dia.. bears N. 40° W., 140 lks. dist.. mkd. $\frac{1}{4}$ S 5 B T.
48.00	Bottom of hollow, 250 ft. below ridge, course NE. Asc.
54.00	Top of ridge, 200 ft. above hollow, bears N. 50° E. and S. 50° W. Desc.
80.00	Bottom of head of canon, 50 ft. below ridge, course N. 30° E. Set a sandstone, 24x12x5 ins., 18 ins. in the ground, for cor. of secs. 4, 5, 8, and 9, mkd. with 5 notches on S. and 4 notches on E. edges; and raise a mound of stone, a ft. base,

Subdivision of T 7 S .R 6 W -Continued

- Chs. 1½ ft. high, N. of cor.
- Land, mountainous.
- Soil, gravelly loam; 2nd rate.
- Timber, pinon pine, red. pine and aspen.
- Good grass for grazing.
- Undergrowth, sage brush.
- Mountainous land, 80.00 chs.
- 
- East, on a random line bet. secs. 4 and 9.
- 40.00 Set temp.  $\frac{1}{2}$  sec. cor.
- 79.80 Intersect N. and S. line, 19 lks. S. of the cor. of secs. 3, 4, 8, and 10.
- Thence I run
- S. 89° 52' W., on a true. line bet. secs. 4 and 9.
- Over mountainous land; through scattering timber.
- Asc.
- 8.00 Top of ridge, 300 ft. above sec. cor., bears N. 20° E. and S. 20° W.
- Desc.
- 39.90 Set a sandstone, 16x8x5 ins., 11 ins. in the ground, for  $\frac{1}{2}$  sec. cor.. mkd.  $\frac{1}{2}$  on N face; and raise a mound or stone,  $\frac{1}{2}$  ft. base, 1½ ft. high, N. of cor.
- 45.00 Bottom of head of canon, 700 ft. below ridge, course N. 20° E.
- Asc.
- 60.50 Top of ridge, 450 ft. above canon, bears N. 20° E. and S. 20° W.
- Desc.
- 79.80 The cor. of secs. 4, 5, 8 and 9.
- Land, mountainous.
- Soil, gravelly loam; 2nd rate.
- Timber, aspen and pine.

Subdivision of T 7 S .R 6 W -Continued

- Chs. Good grass for grazing.  
↓ Mountainous land, 79.80 chs.

---

Note: The line bet. secs. 5 and 8 will intersect the Reservation bdy. and also the line bet. secs. 8 and 9. For reasons already explained we make the small fraction which would be in sec. 8, a part of sec. 5, and therefore I run

South, on a true line bet. secs. 5 and 9.

Over mountainous land; through scattering undergrowth.  
Asc.

- 5.50 Intersect South Boundary of the Uintah Indian Reservation, Set a sandstone, 18x9x4 ins., 12 ins. in the ground, for closing cor. of frac. secs. 5 and 9, mkd. C C U I R with 1 groove on N. and 4 grooves on E., and P L on S. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. From the closing cor. the  $\frac{1}{2}$  mile cor. bet. the 57th and 58th mile cors. on the bdy. as established by Deputies A. H. and F. M. Brown, bears as follows:

S.  $73^{\circ} 30' E.$ , 13.70 chs., to the  $\frac{1}{2}$  mile post, bet. the 57th and 58th mile cors.

Land, mountainous.

Soil, gravelly loam; 2<sup>nd</sup> rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, 5.50 chs.

---

Note: The line bet. secs. 5 and 6, will intersect the Reservation bdy., therefore from the cor. of secs. 5, 6, 31, and 32, on N. bdy. of Tp., heretofore described,

Subdivision of T 7 S R.6 W.-Continued.

chs.	I run S.0° 3'E., on a true line bet. secs. 5 and 6. Over mountainous land; through heavy timber.  Desc.
3.00	Bottom of hollow, 10 ft. below sec. cor., course N.10° W.
	Asc.
17.00	Top of ridge, 500 ft. above hollow, bears N.20° W. and S.20° E.  Desc.
40.00	Set a shalestone, 24x14 x5 ins., 18 ins. in the ground, for sec. cor.. mkd. $\frac{1}{2}$ on W. face; from which A red pine, 14 ins. dia., bears S.85° E., 230 lks. dist.. mkd. $\frac{1}{2}$ S 5 B T. A red pine, 15 ins. dia.; bears S.68° W., 210 lks. dist.. mkd. $\frac{1}{2}$ S 6 B T.
44.00	Top of ridge, 500 ft. above last ridge, bears N.20° E. and S. 20° W. Ascend along side of ridge.
57.80	Intersect South Boundary of the Uintah Indian Reservation Set a sandstone, 30x6x4 ins .22 ins. in the ground, for closing cor. of frac. secs. 5 and 6, mkd. C C U I R , with 1 groove on N. and 5 grooves on E. faces; and P.L. on S. faces From which A red pine, 12 ins. dia.. bears N.15° E., 96 lks. dist.. mkd. T 7 S R 6 W S 5 B T. A red pine, 14 ins. dia. bears N.20° W., 92 lks. dist.. mkd. T 7 S R 6 W S 6 B T. From the closing cor. the 59th mile corner on the bdy., as established by Deputies A.H. and F.M. Brown, bears as follows: N.61° 15' W., 10.53 chs. S.62° 15' W., 6.70 chs. to mile post No.59. Land, mountainous. Soil, gravelly; 3rd rate. Timber, pine and aspen.

Subdivision of T 7 S R 6 W -Continued

Chs.

Good grass.

Mountainous land, or land covered with heavy timber,  
57.80 chs.

June 8, 1904.

General Description.

This township is high rolling mountains.

The soil is generally gravelly; 2nd rate. There is no water in the township, except in secs. 1, 2, and 3.

There are no settlers in the township.

There is no mineral in the township.

The timber is generally red pine and aspen.

There is excellent grass in the township.

*John C. Stewart*  
U.S. Deputy Surveyor.

**BLANK**

**PAGE**

# FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by \_\_\_\_\_, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of \_\_\_\_\_, wing the respective capacities in which they acted:

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

*Z. S. S. H.*, Moundman.

For final affidavits see book "Z", T. 5 S., R. 6 W., Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted \_\_\_\_\_, United States Deputy Surveyor, in surveying all parts or portions of the \_\_\_\_\_

of the \_\_\_\_\_

meridian, \_\_\_\_\_ of \_\_\_\_\_, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for \_\_\_\_\_

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

For final affidavits see book "Z", T. 5 S., R. 6 W., Axman.

\_\_\_\_\_, Flagman.

scribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I ..... United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ..... bearing date of the ..... day of ..... 190 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ..... the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

For final affidavits see book "Z", T. 5 S., R. 6 W.

..... of the ..... meridian, in the ..... of ..... which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said ..... and sworn to before me }  
this ..... day of ..... 190 }

000000  
SEAL  
000000

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 18, 1904

The foregoing field notes of the survey of .....  
The Subdivision of T. 7 South, R. 6 West, of the Uintah Special Base and Meridian, Utah .....

executed by John R. Stewart and Andy J. Stewart,  
under his contract No. 271 ..... dated July 22, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Edward H. Anderson*  
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in ..... has been correctly copied from the original notes on file in this office.

United States Surveyor General

**BLANK**

**PAGE**

**BLANK**

**PAGE**

FILED

Aug. 19, 1904

## FIELD NOTES

OF THE SURVEY OF THE

WEST BOUNDARY

or

Township No. 7 South, Range No. 5 West

Of the ..... UINTAH SPECIAL BASE AND ..... Meridian,

STATE OF UTAH

AS SURVEYED BY

John R. Stewart and Andrew J. Stewart, United States Deputy Surveyors,

Under their Contract No. 271, dated July 22, 1903, 1899.

Survey commenced May 18, 1904, 1899.

Survey completed May 19, 1904, 1899.

High 1-19-00  
Close 2-63

## NAMES AND DUTIES OF ASSISTANTS.

J. Frank Hoyt Chairman  
John H. Kienke Chairman  
Harvey R. Breath Moundman  
Elmer A. Jacobs Moundman  
George J. Littley Axman  
Bert Carter Axman  
Arthur Harris Flagman

BOOK A-308

INDEX DIAGRAM.

Township 7 South, Range 5 West.

2	6	5	4	8	2	1
3	7	8	9	10	11	12
	18	17	16	15	14	13
19	20	21	22	23	24	
20	20	28	27	26	25	
21	22	23	24	25	26	

*Meanders Page*.....

## PRELIMINARY OATHS OF ASSISTANTS.

WE, J. Frank Hoyt and John H. Kinkie  
 do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the H. ldy. S. 7<sup>th</sup>, R. 5<sup>th</sup>; N. and W. bdr. S. 6<sup>th</sup>, R. 6<sup>th</sup>; and S. and W. bdr. S. 5<sup>th</sup>, R. 7<sup>th</sup>, of the Uintah Special Base and Meridian, Utah.

J. Frank Hoyt, Chainman.  
John H. Kinkie, Chainman.

Subscribed and sworn to before me this 16<sup>th</sup>  
 day of May 1904, 189



Andy J. Stewart  
U.S. Dep. Surv.

WE, Harvey R. Booth and Elmer A. Jacobs  
 do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of the H. ldy. S. 7<sup>th</sup>, R. 5<sup>th</sup>; N. and W. bdr. S. 6<sup>th</sup>, R. 6<sup>th</sup>; and S. and W. bdr. S. 5<sup>th</sup>, R. 7<sup>th</sup>, of the Uintah Special Base and Meridian, Utah.

Harvey R. Booth, Moundman.  
Elmer A. Jacobs, Moundman

Subscribed and sworn to before me this 16<sup>th</sup>  
 day of May 1904, 189



Andy J. Stewart  
U.S. Dep. Surv.

WE, George T. Littley and Bert Carter  
 do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the H. ldy. S. 7<sup>th</sup>, R. 5<sup>th</sup>; N. and W. bdr. S. 6<sup>th</sup>, R. 6<sup>th</sup>; and S. and W. bdr. S. 5<sup>th</sup>, R. 7<sup>th</sup>, of the Uintah Special Base and Meridian, Utah.

George T. Littley, Axman  
Bert Carter, Axman

Subscribed and sworn to before me this 16<sup>th</sup>  
 day of May 1904, 189



Andy J. Stewart  
U.S. Dep. Surv.

I, Arthur Harris, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the H. ldy. S. 7<sup>th</sup>, R. 5<sup>th</sup>; N. and W. bdr. S. 6<sup>th</sup>, R. 6<sup>th</sup>; and S. and W. bdr. S. 5<sup>th</sup>, R. 7<sup>th</sup>, of the Uintah Special Base and Meridian, Utah.

Arthur Harris, Flagman.

Subscribed and sworn to before me this 16<sup>th</sup>  
 day of May 1904, 189



Andy J. Stewart  
U.S. Dep. Surv.

West boundary of T 7 S R 5 W

Survey commenced May 18, 1904, and executed with a W. and L.E. Gurley light mountain transit, No.-, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the mer. at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on August 21, 1903.

I examine the adjustments of the instrument, and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a mer. established by Pol obsn., I proceed as follows:

At the cor. of Tps. 6 and 7 S., Rs. 5 and 6 W., latitude  $39^{\circ} 55' 01''$  N., longitude  $110^{\circ} 23' 45''$  W., and at 4 h 30 m. t. I set off  $39^{\circ} 55'$  N. on the lat. arc;  $19^{\circ} 38'$  N., on the decl. arc; and determine a mer. with the solar, and mark a point thereof on a stone, firmly set in the ground, 5.00 chs. N. of the cor.

May 18, 1904.

---

May 19, 1904: At 3 h 37.6 m a.m., l.m.t., I observe Pol. at eastern elong. in accordance with the Manual, and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs. N. of the cor.

At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Pol.  $1^{\circ} 34.4'$  to the west, and mark the Mer. thus determined by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.42 ins. east of the mer. established with the solar.

BOOK A 200

West boundary of T. 7 S. R. 5 W.-Continued.

Chs. At 7 h 3 m a.m., l.m.t., I set off  $39^{\circ} 55' N.$ , on the lat.arc;  $19^{\circ} 47' N.$ , on the decl.arc; and mark the mer.determined with the solar, by a cross on the stone already set 5.00 chs. N.of the cor.; this mark falls 0.28 ins.east of the Mer. established by Pol.obsn.

The solar apparatus by p.m. and a.m. observations defines positions for meridians, respectively about  $0' 22''$  west and  $0' 15''$  east of the mer, established by Pol.obsn.; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian, at 7 h 40 m a.m., is N. $16^{\circ} 35' W.$ , the angle thus determined gives the mag.decl.  $16^{\circ} 35' E.$

---

From the cor.of Tps.6 and 7 S.,Rs.5 and 6 W., heretofore described,

I run

South, on a true line bet.secs.1 and 6.

Over mountainous land; through scattering undergrowth.

Ascend .

1.00 Enter aspen saplings, bears E. and W.

8.00 Leave aspen saplings, bears NW and SE.

10.50 Top of ridge, 350 ft. above Tp.cor., bears N. $20^{\circ} W.$  and S.  $30^{\circ} E.$

Desc.gently.

30.00 Begin abrupt descent, bears NW and SE.

Enter scattering timber, bears NW and SE.

40.00 Set a sandstone,  $30 \times 12 \times 4$  ins., 22 ins.in the ground, for  $\frac{1}{2}$  sec.cor., marked  $\frac{1}{2}$  on W.face; from which

a red cedar, 8 ins.dia., bears N. $60^{\circ} E.$ , 150 lks.dist., mkd. $\frac{1}{4}$  S 6 B T.

A pinon pine, 8 ins.diam., bears S. $60^{\circ} W.$ , 56 lks.dist., mkd. $\frac{1}{4}$  S 1 B T.

West boundary of T 7. S R 5 W -Continued

Chs.	
45.00	Bottom of canon, 800 ft. below ridge, course N.35°W. Enter heavy aspen and pine timber, bears N.35°W. and S.35°E. ASC.
61.00	Leave timber, bears NW and SE. Enter dense sage brush, bears NW and SE.
80.00	Set a sandstone, 16x10x5 ins., 11 ins. in the ground, for cor. of secs. 1, 6, 7, and 12, marked with 1 notch on N. and 5 notches on S. edges; dig pits, 18x18x12 ins., in each sec., 5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, mountainous. Soil, gravelly loam; 2nd rate. Timber, pine and aspen. Undergrowth, sage brush and aspen saplings. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
19.00	South, on a true line bet. secs. 7 and 12. Over mountainous land; through dense undergrowth. Asc. Intersect South Boundary of the Uintah Indian Reservation, set a sandstone, 18x10x6 ins., 12 ins. in the ground, for closing cor. of Trac. Tps. 7 S., Rs. 5 and 6 W., marked C C U I R 7 S on N., 5 W on E., 6 W on W., and P. L. on S. faces; with 1 groove on N., 6 grooves on E., and 6 grooves on W. faces; dig pits, one 30x24x12 ins., on line N. of stone, 6 ft. dist., and one 42x36x12 ins., on line SW of stone, 4 ft. dist.; and raise a mound of earth, 5 ft. base, 2½ ft. high N. of cor.

West boundary of T 7 S . R 5 W -Continued

Chs. From the closing cor. the  $\frac{1}{2}$  mile cor. bet. the 53rd and 54th mile posts, as established by Deputies A.H. and F.M. Brown, under their contract No. 264. bears as follows:

S.  $64^{\circ} 15' W.$ , 2.63 chs., to the  $\frac{1}{2}$  mile post bet. the 53rd and 54th mile posts.

Land, mountainous .

Soil, sandy and gravelly loam; 2nd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth, 18.00 chs.

11 a.m. May 18, 1904.

Latitudes, departures, and closing errors.

Line designated	Course	Dist - ance chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
W.bdy.T.7 S ,R.5 W.	North	99.00	99.00			
N.bdy.T.7 S .,R.5 W.	East	478.79			478.79	
E.bdy.T.7 S .,R.5 W.	South	216.44		216.44		
S.bdy.U.I.Reservation	S. $87^{\circ} 45' W$	47.20		1.85		47.16
S.bdy.U.I.Reservation	N. $54^{\circ} 30' W$	109.60	63.64			89.23
S.bdy.U.I.Reservation	N. $80^{\circ} 15' W$	.88.70	15.02			87.42
S.bdy.U.I.Reservation	N. $14^{\circ} 45' W$	.31.30	30.27			7.97
S.bdy.U.I.Reservation	N. $57^{\circ} W$	120.00	65.36			100.64
S.bdy.U.I.Reservation	S. $61^{\circ} 30' W$	.80.00		38.17		70.31
S.bdy.U.I.Reservation	S. $88^{\circ} 45' W$	.40.00		.87		39.99
S.bdy.U.I.Reservation	S. $64^{\circ} 15' W$	.37.37		16.24		33.66
Convergence						.15
Totals			273.29	273.57	478.94	476.38
Error in lat.					.28	
Error in dep.						2.56

Boundaries of T.7 S., R.5 W.-Concluded.

GENERAL DESCRIPTION.

This township is high and rolling. The timber is scattering aspen and pine. It is well watered for grazing purposes and should be subdivided.

*Andy J. Stewart*  
U.S. Deputy Surveyor.

May 18, 1864.

---

**BLANK**

**PAGE**

# FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by .....  
....., United States Deputy Surveyor, to assist in running, measuring, and  
marking the lines and corners described in the foregoing field notes of the survey of .....

wing the respective capacities in which they acted:

....., *Chairman*.

....., *Chairman*.

For final affidavits see book "U" T. 5 S., R. 7 W. ...., *Moundman*.

....., *Moundman*.

....., *Arman*.

....., *Arman*.

....., *Flagman*.

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....  
....., United States Deputy Surveyor, in surveying all  
se parts or portions of the .....

..... of the .....,  
..... meridian, ..... of ....., which are represented  
the foregoing field notes as having been surveyed by him and under his direction; and that said survey  
been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the  
er monuments established, according to the instructions furnished by the United States Surveyor  
eral for .....

....., *Chairman*.

For final affidavits see book "U" T. 5 S., R. 7 W. ...., *Chairman*.

....., *Moundman*.

....., *Moundman*.

....., *Arman*.

....., *Arman*.

....., *Flagman*.

scribed and sworn to before me this ..... }  
day of ..... , 189 }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, \_\_\_\_\_, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from \_\_\_\_\_, bearing date of the United States Surveyor General for \_\_\_\_\_, day of \_\_\_\_\_, 189\_\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for \_\_\_\_\_, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_.

For final affidavits see book "U" T. 5 S., R. 7 W.

of the \_\_\_\_\_ meridian, in the \_\_\_\_\_ of \_\_\_\_\_, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for \_\_\_\_\_, and in the specific manner described in the field notes, and the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 189 }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 18, 1903

The foregoing field notes of the survey of West Boundary of T. 7 South, Range 5 West, of the Uintah Special Base and Meridian, Utah.

executed by John R. Stewart and Andy J. Stewart,  
their under his contract No. 271, dated July 22, 1903, 189, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

A handwritten signature in cursive ink.

United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

**BLANK**

**PAGE**

**BLANK**

**PAGE**

J.W.  
J.F.B.

BOOK A-308

FILED

Aug. 19 1904

R.  
FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 6 South Range No. 3 West

of the ... ANTIK SPECIAL BASE AND Meridian,

STATE OF U.S.A.

AS SURVEYED BY

John R. Stewart and Andy J. Stewart, United States Deputy Surveyors  
under their Contract No. 271, dated July 22, 1903, 189

Survey commenced May 29, 1904., 189

Survey completed June 1, 1904., 189

May 16 1904  
C.C. 12.05

## NAMES AND DUTIES OF ASSISTANTS.

J. Frank Hoyt Chairman  
John H. Kinke Chairman  
Harvey R. Booth Moundman  
Elmer A. Jacobs Mound  
George T. Littley Axman  
Bert Carter Axman  
Arthur Harris Flagman

Volume

#

R0308

BOOK A-308

INDEX DIAGRAM.

Township 6 South, Range 3 West

1	2	3	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	8010	8011	8012	8013	8014	8015	8016	8017	8018	8019	8020	8021	8022	8023	8024	8025	8026	8027	8028	8029	8030	8031	8032	8033	8034	8035	8036	8037	8038	8039	8040	8041	8042	8043	8044	8045	8046	8047	8048	8049	8050	8051	8052	8053	8054	8055	8056	8057	8058	8059	8060	8061	8062	8063	8064	8065	8066	8067	8068	8069	8070	8071	8072	8073	8074	8075	8076	8077	8078	8079	8080	8081	8082	8083	8084	8085	8086	8087	8088	8089	8090	8091	8092	8093	8094	8095	8096	8097	8098	8099	80100	80101	80102	80103	80104	80105	80106	80107	80108	80109	80110	80111	80112	80113	80114	80115	80116	80117	80118	80119	80120	80121	80122	80123	80124	80125	80126	80127	80128	80129	80130	80131	80132	80133	80134	80135	80136	80137	80138	80139	80140	80141	80142	80143	80144	80145	80146	80147	80148	80149	80150	80151	80152	80153	80154	80155	80156	80157	80158	80159	80160	80161	80162	80163	80164	80165	80166	80167	80168	80169	80170	80171	80172	80173	80174	80175	80176	80177	80178	80179	80180	80181	80182	80183	80184	80185	80186	80187	80188	80189	80190	80191	80192	80193	80194	80195	80196	80197	80198	80199	80200	80201	80202	80203	80204	80205	80206	80207	80208	80209	80210	80211	80212	80213	80214	80215	80216	80217	80218	80219	80220	80221	80222	80223	80224	80225	80226	80227	80228	80229	80230	80231	80232	80233	80234	80235	80236	80237	80238	80239	80240	80241	80242	80243	80244	80245	80246	80247	80248	80249	80250	80251	80252	80253	80254	80255	80256	80257	80258	80259	80260	80261	80262	80263	80264	80265	80266	80267	80268	80269	80270	80271	80272	80273	80274	80275	80276	80277	80278	80279	80280	80281	80282	80283	80284	80285	80286	80287	80288	80289	80290	80291	80292	80293	80294	80295	80296	80297	80298	80299	80300	80301	80302	80303	80304	80305	80306	80307	80308	80309	80310	80311	80312	80313	80314	80315	80316	80317	80318	80319	80320	80321	80322	80323	80324	80325	80326	80327	80328	80329	80330	80331	80332	80333	80334	80335	80336	80337	80338	80339	80340	80341	80342	80343	80344	80345	80346	80347	80348	80349	80350	80351	80352	80353	80354	80355	80356	80357	80358	80359	80360	80361	80362	80363	80364	80365	80366	80367	80368	80369	80370	80371	80372	80373	80374	80375	80376	80377	80378	80379	80380	80381	80382	80383	80384	80385	80386	80387	80388	80389	80390	80391	80392	80393	80394	80395	80396	80397	80398	80399	80400	80401	80402	80403	80404	80405	80406	80407	80408	80409	80410	80411	80412	80413	80414	80415	80416	80417	80418	80419	80420	80421	80422	80423	80424	80425	80426	80427	80428	80429	80430	80431	80432	80433	80434	80435	80436	80437	80438	80439	80440	80441	80442	80443	80444	80445	80446	80447	80448	80449	80450	80451	80452	80453	80454	80455	80456	80457	80458	80459	80460	80461	80462	80463	80464	80465	80466	80467	80468	80469	80470	80471	80472	80473	80474	80475	80476	80477	80478	80479	80480	80481	80482	80483	80484	80485	80486	80487	80488	80489	80490	80491	80492	80493	80494	80495	80496	80497	80498	80499	80500	80501	80502	80503	80504	80505	80506	80507	80508	80509	80510	80511	80512	80513	80514	80515	80516	80517	80518	80519	80520	80521	80522	80523	80524	80525	80526	80527	80528	80529	80530	80531	80532	80533	80534	80535	80536	80537	80538	80539	80540	80541	80542	80543	80544	80545	80546	80547	80548	80549	80550	80551	80552	80553	80554	80555	80556	80557	80558	80559	80560	80561	80562	80563	80564	80565	80566	80567	80568	80569	80570	80571	80572	80573	80574	80575	80576	80577	80578	80579	80580	80581	80582	80583	80584	80585	80586	80587	80588	80589	80590	80591	80592	80593	80594	80595	80596	80597	80598	80599	80600	80601	80602	80603	80604	80605	80606	80607	80608	80609	8061

## PRELIMINARY OATHS OF ASSISTANTS.

WE, J. Frank Hoyt and John H. Kienke,

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the subdivision of T. 6<sup>d</sup>, R. 3<sup>W</sup>; T. 7<sup>d</sup>, R. 5<sup>W</sup>; T. 6<sup>d</sup>, R. 6<sup>W</sup>; and T. 5<sup>d</sup>, R. 7<sup>W</sup>, of the Uintah Special Base and Meridian, Utah.

J. Frank Hoyt

, Chainman.

John H. Kienke

, Chainman.

Subscribed and sworn to before me this 16<sup>th</sup>

day of May 1904,



Andy J. Stewart

U.S. Deputy Sur.

WE, Harvey R. Booth

and Elmer A. Jacobs

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of the subdivision of T. 6<sup>d</sup>, R. 3<sup>W</sup>; T. 7<sup>d</sup>, R. 5<sup>W</sup>; T. 6<sup>d</sup>, R. 6<sup>W</sup>; and T. 5<sup>d</sup>, R. 7<sup>W</sup>, of the Uintah Special Base and Meridian, Utah.

Harv R. Booth

, Moundman.

Elmer A. Jacobs

, Moundman.

Subscribed and sworn to before me this 16<sup>th</sup>

day of May 1904,



Andy J. Stewart

U. S. Depy. Sur.

WE, George Littley

and Bert Carter

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corr and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the subdivision of T. 6<sup>d</sup>, R. 3<sup>W</sup>; T. 7<sup>d</sup>, R. 5<sup>W</sup>; T. 6<sup>d</sup>, R. 6<sup>W</sup>; and T. 5<sup>d</sup>, R. 7<sup>W</sup>, of the Uintah Special Base and Meridian, Utah.

George Littley, Axmu.

Bert Carter, Axma.

Subscribed and sworn to before me this 16<sup>th</sup>

day of May 1904,



Andy J. Stewart

U. S. Depy. Sur.

I, Arthur Harris

, do solemnly swear that I will well and tru-

perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the subdivision of T. 6<sup>d</sup>, R. 3<sup>W</sup>; T. 7<sup>d</sup>, R. 5<sup>W</sup>; T. 6<sup>d</sup>, R. 6<sup>W</sup>; and T. 5<sup>d</sup>, R. 7<sup>W</sup>, of the Uintah Special Base and Meridian, Utah

Arthur Harris

, Flagma.

Subscribed and sworn to before me this 16<sup>th</sup>

day of May 1904,



Andy J. Stewart

U. S. Depy. Sur.

A 300

Subdivision of T. 6 S., R. 3 W.

Survey commenced May 29, 1904, and executed with a W. and L. E. Gurley light mountain transit, No. -, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah on August 21, 1903.

I examine the adjustments of the instrument, and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications made during p.m. and a.m. hours, with a meridian established by Polaris observation, I proceed as follows:

At the cor. of secs. 5, 6, 31, and 32, on N. bdy. of 1p., latitude  $40^{\circ} 00' 15''$  N., longitude  $110^{\circ} 18' 06''$  W., I set off  $40^{\circ} 00' 15''$  N., on the lat. arc;  $21^{\circ} 42' 15''$  N., on the decl. arc; and at 5 h 2 m p.m., l.m.t., determine a meridian with the solar, and mark a point thereof on a stone, set firmly in the ground, 5.00 chs. E. of the cor.

May 29, 1904.

---

May 30, 1904, At 2 h 54.4 m a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual, and mark a point in the line thus determined, on a wooden peg driven in the ground, 5.00 chs. N. of the cor.

At 6 h 3 m a.m., l.m.t., I lay off the azimuth of Polaris  $1^{\circ} 34.4'$  to the west, and mark the meridian thus determined by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.43 ins. east of the mark determined with the solar.

At 7 h 2 m a.m., l.m.t., I set off  $40^{\circ} 00' 15''$  N., on the lat. arc;

Subdivision of T S R 5 W -Continued

Chains 21° 47' N., on the decl. arc; and mark the meridian determine with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.33 ins. east of the meridian established by Polaris observation.

The solar apparatus by p.m. and a m. observations defines positions for meridians respectively about 0° 23" west and 0° 17" east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian, at 7: h. 30 m. a.m., is N. 16° 29' W., the angle thus determined gives the mag. decl. 16° 29' E.

Note: There is no East or South Bdy. therefore I begin at the cor. of secs. 5, 6, 31, and 32, on N. bdy. of Tp., heretofore described, and subdivide from north to south and from west to east, according to instructions.

S. 0° 1' W., bet. secs. 5 and 6.

Over mountainous land; through scattering cedar and pinon pine timber.

Descend .

4.00 Bottom of hollow, 20 ft. below sec. cor., course N. 20° E.

Ascend .

14.00 Top of ridge, 200 ft. above sec. cor., bears N. 80° E. and S. 80° W.

Descend .

28.00 Bottom of hollow, 50 ft. below ridge, course E..

Ascend .

35.00 Top of spur, 30 ft. above hollow, bears E. and W.

Descend .

40.00 Set a sandstone, 22x14x4 ins., 16 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which

A pinon pine, 10 ins. diam., bears N. 17° E., 225

Subdivision of T.6 S., R.3 W.-Continued.

Chains                    lks.dist., marked  $\frac{1}{4}$  S 5 B T.  
                          A pinon pine, 7 ins. diam., bears N.  $32^{\circ}$  W., 150  
                          lks.dist., marked  $\frac{1}{4}$  S 6 B T.  
42.00 Bottom of hollow, 120 ft. below ridge, course E.  
Ascend .  
70.00 Top of ridge, 200 ft. above hollow, bears E. and W.  
Descend .  
80.00 Set a sandstone, 24x12x4 ins., 18 ins. in the ground, for  
cor.of secs. 5,6,7, and 8, marked with 5 notches on S. and  
5 notches on E.edges; from which  
                          A pinon pine, 24 ins. diam., bears N.  $59^{\circ}$  E., 83  
                          lks.dist., marked T 6 S R 3 W S 5 B T.  
                          A cedar, 10 ins. diam., bears S.  $60^{\circ}$  E., 60 lks.  
                          dist., marked T 6 S R 3 W S 8 B T.  
                          A pinon pine, 8 ins. diam., bears S.  $74^{\circ}$  W., 63  
                          lks.dist., marked T 6 S R 3 W S 7 B T.  
                          A pinon pine, 14 ins. diam., bears N.  $25^{\circ}$  W., 45  
                          lks.dist., marked T 6 S R 3 W S 6 B T.  
Land, mountainous .  
Soil, sandy and white clay; 3rd rate.  
Timber, cedar and pinon pine.  
Good grass for grazing.  
Mountainous land, 80.00 chs.

---

West, on a random line bet. secs. 6 and 7.

40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
80.04 Intersect W.bdy. of 1p., 10 lks.S. of the cor.of secs.  
1,6,7, and 12, heretofore described.  
Thence 1 run  
S.  $89^{\circ} 56'$  E., on a true line bet. secs. 6 and 7.  
Over mountainous land; through scattering timber.  
Descend..  
4.00 Bottom of hollow, 20 ft. below cor., course NW. Ascend.

Subdivision of T. 6 S., R. 3 W.-Continued.

Chains	
26.50	Top of divide ridge between Antelope Canon and canons on east, 500 ft. above cor., bears N. and S. Descend .
40.02	Set a sandstone, 18x14x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face; from which A pinon pine, 11 ins. diam., bears N. 16° E., 130 lks. dist., marked $\frac{1}{4}$ S 6 B T. A pinon pine, 5 ins. diam., bears S. 12° W., 90 lks. dist., marked $\frac{1}{4}$ S 7 B T.
42.00	Bottom of hollow, 150 ft. below ridge, course N. 10° E. Ascend through heavy timber..
54.00	Top of ridge, 60 ft. above hollow, bears N. 10° E. and S. 10° W. Descend .
80.04	The cor. of secs. 5, 6, 7, and 8. 200 ft. below ridge. Land, mountainous. Soil, sandy and white clay ; 3rd rate. Timber, cedar and pinon pine. A very little grass . Mountainous or heavily timbered land, 80.04 chs.
	<hr/>
	S. 0° 1' W., bet. secs. 7 and 8. Over mountainous land; through heavy timber. Descend .
8.00	Bottom of hollow, 200 ft. below sec.cor., course NE Ascend .
36.00	Top of ridge, 250 ft. above hollow, bears NE. and SW. Descend .
40.00	Set a sandstone, 24x10x5 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face; from which A pinon pine, 16 ins. diam., bears N. 58° E., 105 lks. dist., marked $\frac{1}{4}$ S 8 B T. A pinon pine, 14 ins. diam., bears S. 39° W., 69

Subdivision of T. 6 S R 3 W - Continued

- Chains lks.dist., marked  $\frac{1}{4}$  S 7 B T.
- 48.00 Bottom of hollow, 300 ft. below ridge, course N. 40° E.
- Ascend .
- 76.00 Top of ridge, 300 ft. above hollow, bears E. and W.
- Descend .
- 80.00 Set a sandstone, 18x14x3 ins., 12 ins. in the ground, for cor. of secs. 7, 8, 17, and 18, marked with 4 notches on S. and 5 notches on E. edges; from which
- A pinon pine, 24 ins. diam., bears N. 65° E., 82  
lks. dist., marked T 6 S R 3 W S 8 B T.
- A pinon pine, 20 ins. diam., bears S. 33° E., 80  
lks. dist., marked T 6 S R 3 W S 17 B T.
- A cedar, 6 ins. diam., bears S. 49° W., 64  
lks. dist., marked T 6 S R 3 W S 18 B T.
- A pinon pine, 7 ins. diam., bears N. 83° W., 73  
lks. dist., marked T 6 S R 3 W S 7 B T.
- This cor. is 200 ft. below ridge.
- Land, mountainous.
- Soil, sandy loam; 2nd rate.
- Timber, cedar and pinon pine.
- No grass.
- Mountainous or heavily timbered land, 80.00 chs.
- May 30, 1904: At this cor. I set off. 21° 48' N., on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40° 04" N., which is the proper lat. nearly.
- 
- N. 89° 56' W., on a random line bet. secs. 7 and 18.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.12 Intersect W.bdy. of Tp., 7 lks. N. of the cor. of secs. 7, 12, 13, and 18, heretofore described.
- Thence 1 run

## Subdivision of T 6 S .R 3 W -Continued

Chains	S.89° 59' E., on a true line bet. secs. 7 and 18. Over mountainous land; through heavy timber.
	Ascend .
6.00	Top of ridge, 80 ft. above sec. cor., bears N.80° E. and S. 80° W. Descend .
30.00	Leave heavy timber and enter scattering timber and dense undergrowth, bears N.80° E. and S.80° W.
40.06	Set a sandstone, 20x12x4 ins., 15 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
41.00	Bottom of hollow, 200 ft. below ridge, course N.80° E. Ascend .
60.00	Top of spur, 80 ft. above hollow, bears N. and S. Descend .
71.00	Bottom of same hollow, 100 ft. below ridge course S.60 °E Ascend abruptly.
76.00	Top of ridge, 250 ft. above hollow, bears N. and S. Descend .
78.60	Bottom of hollow, 120 ft. below ridge, course S. Ascend .
80.12	The cor. of secs. 7, 8, 17, and 18. Land, mountainous. Soil, sandy and white clay; 3rd. rate. Timber, cedar and pinon pine. Undergrowth, sage brush. No grass. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.12 chs.
	<hr/> S.0° 1' W., bet. secs. 17 and 18. Over mountainous land; through heavy timber. Descend .

Subdivision of T.6 S., R.3 W.-Continued.

Chains	
5.00	Bottom of hollow, 200 ft. below sec.cor., course S.80° E.
	Ascend .
18.00	Top of ridge, 300 ft. above hollow, bears E. and W.
	Descend .
27.00	Bottom of hollow, 250 ft. below ridge, course N.60° E.
	Ascend .
37.00	Top of ridge, 250 ft. above hollow, bears NE and SW.
	Descend .
37.50	Leave heavy timber and enter scattering timber, bears NE and SW.
40.00	Set a sandstone, 16x6x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{2}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
42.25	Bottom of hollow, 200 ft. below ridge, course N.50° E.
	Ascend .
68.00	Top of ridge, 500 ft. above hollow, bears N.60° E. and S.5° W.
	Descend .
80.00	Set a sandstone, 24x10x4 ins., 18 ins. in the ground, for cor. of secs. 17, 18, 19, and 20, marked with 3 notches on S. and 5 notches on E. edges; from which <ul style="list-style-type: none"> <li>A pinon pine, 11 ins. diam., bears N.47° E., 152 lks. dist., marked T 6 S R 3 W S 17 B T.</li> <li>A cedar, 9 ins. diam., bears S.45° E., 164 lks. dist., marked T 6 S R 3 W S 20 B T.</li> <li>A pinon pine, 12 ins. diam., bears S.51° W., 151 lks. dist., marked T 6 S R 3 W S 18 B T.</li> <li>A pinon pine, 18 ins. diam., bears N.25° W., 27 lks. dist., marked T 6 S R 3 W S 18 B T.</li> </ul>
	Land, mountainous .
	Soil, sandy and white clay; 3rd rate.
	Timber, cedar and pinon pine.
	No grass.
	Mountainous or heavily timbered land, 80.00 chs.

## Subdivision of T. 6 S. R. 3 W. -Continued

Chains	
	S. 89° 59' W., on a radius line bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.26	Intersect W. bdy. of Tp., 7 lks. S. of the cor. of secs. 13, 18, 19, and 24.
	Thence I run
	S. 89° 58' E., on a true line bet. secs. 18 and 19.
	Over mountainous land; through heavy timber.
	Ascend .
12.00	Top of ridge, 150 ft. above sec. cor., bears N. 50° E. and S. 50° W.
	Descend .
28.00	Leave heavy and enter scattering timber, bears N. and S.
37.00	Bottom of hollow, 350 ft. below ridge, course N. 70° E.
	Ascend .
40.13	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
50.50	Top of spur, 150 ft. above hollow, bears N. 20° E. and S. 20° W.
	Descend .
55.00	Bottom of hollow, 80 ft. below ridge, course N. 20° E.
	Ascend .
70.00	Top of spur, 90 ft. above hollow, bears N. and S.
	Descend .
75.00	Bottom of hollow, 100 ft. below ridge, course N.
	Ascend .
79.00	Top of ridge, 200 ft. above hollow, bears N. 20° E. and S. 30° W.
	Descend .
80.26	The cor. of secs. 17, 18, 19, and 20.

Subdivision of T 6 S R 3 W -Continued.

Chains	Land, mountainous. Soil, sandy; 3rd rate. Timber, cedar and pinon pine. A very little grass. Mountainous or heavily timbered land; 80.26 chs.
--------	-----------------------------------------------------------------------------------------------------------------------------------------------------------

---

S.0°1'W., bet. secs. 19 and 20.

Over mountainous land; through heavy timber.

Descend .

28.00 Bottom of hollow, 250 ft. below ridge, course N.20°E.

Ascend .

40.00 Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which

A cedar, 8 ins. diam., bears E., 32 lks.

dist., marked  $\frac{1}{4}$  S 20 B T.

A pinon pine, 12 ins. diam., bears S.60°W.

63 lks. dist., marked  $\frac{1}{4}$  S 19 B T.

42.00 Top of ridge, 250 ft. above hollow, bears N.60°E. and S.  
60°W.

Descend .

56.00 Bottom of hollow, 60 ft. below ridge, course NE .

Ascend .

80.00 Set a sandstone, 18x9x5 ins., 12 ins. in the ground, for  
cor. of secs. 19, 20, 29 and 30, marked with 2 notches on S.  
and 5 notches on E. edges; from which

A pinon pine, 8 ins. diam., bears N.70°E., 69  
lks. dist., marked T 6 S R 3 W S 20 B T.

A pinon pine, 10 ins. diam., bears S.40°E., 29  
lks. dist., marked T 6 S R 3 W S 29 B T.

A cedar, 8 ins. diam., bears S.33°W., 22 lks.  
dist., marked T 6 S R 3 W S 30 B T.

A pinon pine, 14 ins. diam., bears N.60°W.,

Subdivision of T. 6 S. R. 3 W.-Continued.

Chains	36 lks.dist.,marked T 6 S R 3 W S 19 B T. Land, mountainous. Soil, sandy and white clay; 3rd rate. Timber, cedar and pinon pine. No grass. Mountainous or heavily timbered land, 80.00 chs.
	N.89° 58' W., on a random line bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.06	Intersect W.bdy.of Tp., 13 lks. S. of the cor.of secs. 19, 24, 25, and 30, heretofore described. Thence I run S.89° 53' E., on a true line bet. secs. 19 and 30. Over mountainous land; through heavy timber. Descend .
25.00	Bottom of hollow, 150 ft. below sec.cor., course N.65° E. Ascend .
38.00	Top of ridge, 150 ft. above hollow, bears N.50° E. and S.50° W. Descend .
40.03	Set a sandstone, 18x9x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face; from which A pinon pine, 18 ins. diam., bears N.50° E., 40 lks.dist., marked $\frac{1}{4}$ S 19 B T. A pinon pine, 17 ins. diam., bears S.42° W., 25 lks.dist., marked $\frac{1}{4}$ S 30 B T.
45.50	Bottom of hollow, 60 ft. below ridge, course N.40° E. Ascend .
60.50	Top of ridge, 100 ft. above hollow, bears N.40° E. and S.40° W. Descend .
74.00	Bottom of hollow, 100 ft. below ridge, course N. Ascend .

Subdivision of T. 6 S., R. 3 W.-Continued.

Chains

80.06 The cor. of secs. 19, 20, 29, and 30.

Land, mountainous.

Soil, sandy; 3rd rate.

Timber, cedar and pinon pine.

No grass.

Mountainous or heavily timbered land, 80.06 chs.

Note: The line bet. secs. 29 and 30 will intersect the Uintah Indian Reservation Boundary, therefore I run S. 0° 15' W., on a true line bet. secs. 29 and 30.

Over mountainous land; through heavy timber.

Ascend.

2.08 Intersect South Boundary of Uintah Indian Reservation.

Set a Sandstone, 16x14x5 ins., 11 ins. in the ground, for closing cor. of secs. 20 and 30, marked C C U 1 R, with 4 grooves on N., 5 grooves on E., and F L on S., faces; from which

A. pinon pine, 30 ins. diam., bears N. 56° L., 32 lks. dist., marked T 6 S R 3 W S 20 B T.

A pinon pine, 10 ins. diam., bears N. 32° W., 30 lks. dist., marked T 6 S R 3 W S 30 B T.

From the closing cor. the 37th mile cor. on the bdy., as established by Deputies A. H. and F. M. Brown, bears as follows:

N. 81° 15' E., 0.66 chs., to mile stone, No. 37.

Land, mountainous. Soil, gravelly; 3rd rate.

Timber, cedar and pinon pine. No grass.

Mountainous or heavily timbered land, 2.08 chs.

Note: If the line bet. secs 20 and 29 were run sec. 29 would be very small; therefore we conclude to let sec. 20 embrace the small fraction which would regularly be sec.

Subdivision of T 6 S .R 3 W -Continued.

Chains 29.

May 30, 1904.

May 31, 1904: At 7 h 2 m a.m., l.m.t., I set off  $40^{\circ}00'N.$ ,  
on the lat.arc;  $21^{\circ}56'N.$ , on the decl.arc; and determine  
a meridian with the solar, at the cor.of secs.4,5,32, and  
33, on N.bdy.of Tp., heretofore described.

Thence I run

$S.0^{\circ}1'W.$ , bet.secs.4 and 5.

Over mountainous land; through heavy timber.

Ascend.

24.00 Top of ridge, 200 ft. above sec.cor., bears E. and W.

Descend.

32.00 Bottom of hollow, 150 ft. below ridge, course E.

Ascend.

38.00 Top of ridge, 100 ft. above hollow, bears E. and W.

Descend.

40.00 Set a sandstone, 18x12x5. ins., 12 ins. in the ground, for  
 $\frac{1}{2}$  sec.cor., marked  $\frac{1}{2}$  on W. face; from which

A. pinon pine, 16 ins. diam., bears  $S.33^{\circ}E.$ , 61  
lks.dist., marked  $\frac{1}{2}S\ 4.B.T.$

A pinon pine, 24 ins. diam., bears  $S.36^{\circ}W.$ , 76  
lks.dist., marked  $\frac{1}{2}S\ 5.B.T.$

47.50 Bottom of hollow, 200 ft. below ridge, course E.

Ascend.

60.00 Top of ridge, 200 ft. above hollow, bears E. and W.

Descend.

69.00 Bottom of hollow, 160 ft. below ridge, course  $N.70^{\circ}E.$

Ascend.

Subdivision of T.6 S., R.3 W.-Continued.

Chains

- 80.00 Set a sandstone, 20x14x5 ins., 15 ins. in the ground, for cor. of secs. 4, 5, 8, and 9, marked with 5 notches on S. and 4 notches on E. edges; from which  
A pinon pine, 10 ins. diam., bears N. 40° E., 59 lks. dist., marked T 6 S R 3 W S 4 B T.  
A pinon pine, 10 ins. diam., bears S. 73° E., 63 lks. dist., marked T 6 S R 3 W S 9 B T.  
A cedar, 10 ins. diam., bears S. 60° W., 230 lks. dist., marked T 6 S R 3 W S 8 B T.  
A pinon pine, 10 ins. diam., bears N. 66° W., 282 lks. dist., marked T 6 S R 3 W S 5 B T.  
Land, mountainous.  
Soil, sandy and white clay; 5rd rate.  
Timber, cedar and pinon pine.  
No grass.  
↓ Mountainous or heavily timbered land, 80.00 chs.

---

West, on a random line bet. secs. 5 and 8.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.02 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 5, 6, 7, and 8.  
Thence I run  
S. 89° 59' E., on a true line bet. secs. 5 and 8.  
Over mountainous land; through heavy timber.  
Descend.  
11.50 Bottom of hollow; 60 ft. below sec. cor., course N. 30° E.  
Ascend.  
15.00 Top of spur, 100 ft. above hollow, bears N. and S.  
Descend.  
30.25 Bottom of hollow, 150 ft. below spur, course N.  
Ascend.

Subdivision of T. 6 S., R. 3 W.-Continued.

Chains	
40.01	Set a sandstone, 20x18x4 ins., 15 ins. in the ground, for the sec. cor., marked $\pm$ on N. face; from which A pinon pine, 7 ins. diam., bears N. 80° W., .65 lks. dist., marked $\pm$ S. 5 B. T. A cedar, 12 ins. diam., bears S. 12° E., .45 lks. dist., marked $\pm$ S. 8 B. T.
54.00	Top of ridge, 200 ft. above hollow, bears N. 20° E. and S. 20° E. Descend .
68.00	Bottom of hollow, 180 ft. below ridge, course N. 70° E. Ascend .
74.00	Top of spur, 60 ft. above hollow, bears N. and S. Descend .
77.60	Bottom of hollow, 50 ft. below ridge, course N. , 110° Ascend .
80.02	The cor. of secs. 4, 5, 8, and 9. land, mountainous. (This is the true corner of the section.) Soil, sandy and white clay ; 3rd rate. Timber, cedar and pinon pine. No grass. Mountainous or heavily timbered land, 80.02, chs.
<hr/>	
	The line bet. secs. 8 and 9 will intersect the Reservation bdy; therefore I run East, on a true line bet. secs. 4 and 9. Over mountainous land; through heavy timber. Ascend .
7.00	Top of ridge, 100 ft. above sec. cor., bears N. and S. Descend .
16.00	Bottom of hollow, 80 ft. below ridge, course N. , 110° Ascend .
22.00	Top of ridge, 250 ft. above hollow, bears N. and S. Descend .
36.00	Leave timber and enter dense undergrowth, bears N. 70° E.

## Subdivision of T 6 S .R.3 W -Continued

Chs. and S. 70° W.  
 38.87 Intersect South Boundary of the Uintah Indian Reservation, set a sandstone, 18x10x4 ins., 12 ins. in the ground, for closing cor. of secs. 4 and 9, marked CC U 1 R , with 2 grooves on W., 1 groove on N., and F L on E. faces; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor. From the closing cor. the 33rd mile cor. on the boundary as established by Deputies A H and F.L. Brown, bears as follows:

N. 3° 30' E. 2.29 chs. to mile cor. No. 33.

Land, mountainous.

Soil, sandy and white clay loam; 3rd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

No grass.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 38.87 chs.

May 31, 1804: At the noon hour the sky is overcast and solar observations are impossible.

S. 0° 1' W., bet. secs. 8 and 9.

Over mountainous land; through heavy timber.

Ascend along east side of hollow.

30.00 Top of ridge, 300 ft. above sec. cor., bears E. and W.

Descend.

40.00 Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which

A cedar, 15 ins. diam., bears N. 67° E., 91 lks.

dist., marked  $\frac{1}{4}$  S & B T.

A cedar, 5 ins. diam., bears N. 3° W., 105 lks.

dist., mkd.  $\frac{1}{4}$  S & B T.

45.00 Bottom of hollow, 100 ft. below ridge, course NW.

Subdivision of T. 6 S., R. 3 W.-Continued.

Chs.	Asc.
55.00	Top of ridge, 250 ft. above hollow, bears E. and W.
	Desc.
73.00	Bottom of hollow, 450 ft. below ridge, course S. 60° E.
	Asc.
80.00	Top of ridge, 200 ft. above hollow, bears N. 80° E. and S. 80° W.
	Setca sandstone, 18x10x6 ins., 12 ins. in the ground, for cor. of secs. 8, 10, 16, and 17, marked with 4 notches on S. and 4 notches on E. edges; from which
	A pinon pine, 12 ins. diam., bears N. 12° E., 105 lks. dist., mkd. T 6 S R 3 W S 9 B T.
	A pinon pine, 14 ins. diam., bears S. 60° E., 65 lks. dist., marked T 6 S R 3 W S 16 B T.
	A pinon pine, 12 ins. dia. bears S. 65° W., 45 lks. dist., mkd. T 6 S R 3 W S 17 B T.
	A pinon pine, 6 ins. dia., bears N. 43° W., 140 lks. dist., mkd. T 6 S R 3 W S 8 B T.
	Land, mountainous.
	Soil, sandy and white clay loam.
	Timber, cedar and pinon pine.
	No grass.
	Mountainous or heavily timbered land, 80.00 chs.
	<hr/>
	N. 89° 59' W., on a random line bet. secs. 8 and 17.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 7, 8, 17, and 18.
	Thence I run
	S. 89° 56' E., on a true line bet. secs. 8 and 17.
	Over mountainous land; through heavy timber.
	Asc.
12.00	Top of ridge, 200 ft. above sec. cor., bears N. 70° W. and S.

Subdivision of T. 6 S., R. 3 W.-Continued.

Chs.	80° E.
	Desc. along north side of ridge.
40.03	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for sec. cor., marked $\frac{1}{4}$ on N. face; from which A pinon pine, 8 ins. dia., bears N. 60° W., 45 lks. dist., mdkd. $\frac{1}{4}$ S 8 B T. A pinon pine, 13 ins. dia., bears S. 50° W., 45 lks. dist., mdkd. $\frac{1}{4}$ S. 17 B T.
80.06	The cor. of secs. 8, 9, 16, and 17. Land, mountainous. Soil, sandy and white clay; 3rd rate. Timber, cedar and pinon pine. No grass. Mountainous or heavily timbered land, 80.06 chs.
	<hr/>
	Note: The line bet. secs. 9 and 16 will intersect the Reservation boundary, therefore I run East, on a true line bet. secs. 9 and 16. Over mountainous land; through scattering timber. Descend.
10.00	Bottom of hollow, 100 ft. below sec. cor., course S. 60° E. ASC.
15.00	Top of ridge, 150 ft. above hollow, bears N. and S. Desc. along north side of canon.
18.00	Leave timber, bears N. 80° E. and S. 80° W.
34.20	Intersect South Boundary of the Uintah Indian Reservation, set a sandstone, 20x12x7 ins., 15 ins. in the ground, for frac'l secs. 9 and 16; marked CCWJR with 2 grooves on W.; 2 grooves on N. and PL on E. face; and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. From the closing cor. the 34th mile cor. on the bdy., as established by Deputies A. H. and F. M. Brown, bears as follows:

## Subdivision of T 6 S - R 3 E -Continued

Chains	N.3° 30'E., 2.30 chs. to mile post No.54.
	Land, mountainous.
	Soil, sandy and white clay; 3rd rate.
	Timber, cedar and pinon pine.
	No grass.
	Mountainous land, 34.20 chs.

May 31, 1904.

June 1, 1904: At 7 h 2 m a.m., l.m.t., I set off 39° 59' N.,  
 ✓  
 on the lat.arc; 22° 4' N., on the decl.arc; and determine  
 a meridian with the solar at the cor.of secs. 8, 9, 16, and  
 17.

Thence I run

3.00 l'M, bet. secs. 16 and 17.

Over mountainous land; through heavy timber.

Descend.

- 5.00 Leave timber and enter scattering sage brush, bears E. and W.
- 7.00 Bottom of hollow, 200 ft. below ridge, course N. 80° E.  
 Asc.
- 10.00 Enter heavy timber, bears E. and W.
- 30.00 Top of ridge, 400 ft. above hollow, bears N. 60° E. and S. 60° W.  
 Desc.
- 40.00 Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for  
 1/2 sec.cor., marked  $\frac{1}{2}$  on W. face; from which  
 A pinon pine, 24 ins. diam., bears S. 65° E., 60  
 lks.dist., mkd.  $\frac{1}{2}$  S 16 B T.  
 A pinon pine, 30 ins. diam., bears N. 00° W., 66  
 lks.dist., mkd.  $\frac{1}{2}$  S 17 B T.
- 50.00 Bottom of hollow, 200 ft. below ridge, course NE.  
 Asc.

Subdivision of T. 6 S., R. 3 W.-Continued.

Chs.	
76.00	Top of ridge, 300 ft. above hollow, bears N. 50° E. and S. 50° W.
	Desc.
80.00	Set a sandstone, 20x12x4 ins., 15 ins. in the ground, for cor. of secs., 16, 17, 20, and 21, marked with 3 notches on S. and 4 notches on E. edges; from which
	A pinon pine, 10 ins. dia., bears N. 51° E., 190 lks. dist., mkd. T 6 S R 3 W S 16 B T.
	A cedar, 15 ins. dia., bears S. 80° E., 126 lks. dist., mkd. T 6 S R 3 W S 21 B T.
	A pinon pine, 8 ins. diam., bears S. 90° W., 82 lks. dist., mkd. T 6 S R 3 W S 20 B T.
	A pinon pine, 6 ins. diam., bears N. 63° W., 65 lks. dist., mkd. T 6 S R 3 W S 17 B T.
	Land, mountainous.
	Soil, sandy; 3rd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush.
	No grass.
	Mountainous or heavily timbered land, 80.00 chs.
<hr/>	
40.00	N. 89° 56' W., on a random line bet. secs. 17 and 20. Set temp. $\frac{1}{4}$ sec. cor.
80.20	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 17, 18, 19, and 20.
	Thence I run
	S. 89° 59' E., on a true line bet. secs. 17 and 20.
	Over mountainous land; through heavy timber.
	Desc.
10.00	Bottom of hollow, 100 ft. below sec. cor., course N. 20° E.
	Asc.
22.00	Top of ridge, 240 ft. above hollow, bears N. 10° E. and

Subdivision of T. 6 S., R. 3 W. -Continued.

Ghs.	S.10°W.
	Desc.
35.00	Leave heavy and enter scattering timber, bears NW and SE.
40.10	Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for 1 sec.cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor..
45.00	Bottom of hollow, 400 ft. below ridge, course N. 20°E.
	Asc.
75.00	Top of ridge, 300 ft. above hollow, bears NE and SW.
	Desc.
80.20	The cor.of secs.16,17,20, and 21. This cor.is 300 ft.below ridge. Land,mountainous. Soil,sandy and white clay;3rd rate. Timber,cedar and pinon pine. No grass . Mountainous or heavily timbered land,80.20 chs.
<hr/>	
	Note:The line betsecs.16 and 21 will intersect the Reservation bdy.therefore I run East, on a true line betsecs.16 and 21. Over mountainous land;through heavy timber. Desc.
11.00	Bottom of hollow,100 ft.below sec.cor.,course N.60°E.
	Asc.
22.00	Top of ridge,120 ft.above hollow,bears N.36°E.and S.60° W.
	Desc.
26.00	Bottom of hollow,150 ft.below ridge,course N.20 °E.
	Asc.
29.16	Intersect South Boundary of the Uintah Indian Reserva- tion, set a sandstone, 18x12x5 ins., 12 ins. in the ground, for closing cor.of fractl.secs.16 and 21,marked C C U I R

\*ubdivision of T. 6-S ,R 3 W -Continued.

Chains with 2 grooves on W.,3 grooves on N.,and P.L.on E.faces;  
from which

A pinon pine,6 ins.diam.,bears N.40°E.,45 lks.

dist.,mkd.T.6 S.,R.3 W.,S 16 B T.

A pinon pine,8 ins.diam.,bears S.50°W.,59

lks.dist.,mkd.T 6 S.R 3 W S 21 B T.

From the closing.cor .the 35th mile cor.on the  
boundary,as established by Deputies A.H.and F.M.Brown,  
bears as follows:

N.3° 30'E.,2.50 chs.to mile stone No.35.

Land,mountainous.

Soil,sandy and white clay;3rd rate.

Timber,cedar and pinon pine .

No grass .

Mountainous or heavily timbered land,29.16 chs.

June 1,1904:At this cor.I set off 22°05'N.,on the decl.  
arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the  
mer.,the resulting lat.is 39° 58'N.,which is the proper  
lat.nearly.

---

Note:The line bet.secs.20 and 21 will intersect the  
Reservation boundary therefore I run

S.0° 1'W.,on a true line bet.secs.20 and 21.

Over mountainous land;through scattering timber,  
Desc.

9.50 Bottom of hollow,150 ft.below sec.cor.,course NE .  
Asc.

25.00 Top of ridge,200 ft.above hollow,bears NE and SW.  
Desc.

37.00 Bottom of hollow,250 ft.below ridge,course N.60°E.  
Asc.

40.00 Set a sandstone,18 x9x6 ins.,12 ins.in the ground,for

Subdivision of T 6 S R 3 W.-Continued.

- Chs.  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; from which  
A pinon pine, 8 ins.dia., bears S.18° E., 59 lks.  
dist., mkd.  $\frac{1}{4}$  S 21 B T.  
A cedar, 8. ins.dia., bears S.68° W., 46 lks.  
dist., mkd.  $\frac{1}{4}$  S 20 B T.
- 49.50 Top of ridge, 200 ft. above hollow, bears SE and SW.  
Desc. through heavy timber .
- 61.07 Intersect South Boundary of the Uintah Indian Reservation  
set a sandstone, 20x6x4 ins., 15 ins. in the ground, for  
closing cor.of fract.secs.20, and 21, marked C C U I R ,  
with 4 grooves on N., 2 grooves on W., and P.L.on S.faces;  
from which . . . ;  
A pinon pine, 8 ins.dia., bears N.42° E., 67  
lks.dist., mkd.T 6 S R 3 W S 21 B T.  
A pinon pine, 12 ins.dia., bears N.52° W., 92  
lks.dist., mkd.T 6 S R 3 W S 20 B T.  
From the closing cor., the 36th mile cor., on the  
boundary as established by Deputies A.H. and F.M.Brown,  
bears as follows:  
S.48° 30' W., 4.30 chs., to mile stone, No.36.  
Land mountainous.  
Soil, sandy and white clay; 3rd rate.  
Timber, cedar and pinon pine.  
No grass .  
Mountainous or heavily timbered land, 61.07 chs.

June 1, 1904.

GENERAL DESCRIPTION.

This township is all mountainous. It is covered with a  
heavy growth of cedar and pinon pine timber with the  
exception of a few small patches covered with sage.

Subdivision of T.6 S..R.3 W.-Concluded.

brush and shadscales.

There is no water in the township and a very little grass, and is therefore of little value except for winter sheep grazing.

There are no settlers in the township.

There is no mineral in the township.

The soil is generally sandy and white clay; 3rd rate.

#### BOUNDARIES OF T.6 S., R.3 W.

Latitudes, departures, and closing errors.

Line designated	Bearing	Dist- ance chs.	Latitudes N. chs.	Departures S. chs.	E. chs.	W. chs.
W.bdy. of T.6 S., R.3 W. North		334.55	334.55			
N.bdy. of T.6 S., R.3 W. East		203.75			203.75	
U.I. R. Boundary	S.3° 30' W.	277.56		277.04		16.94
U.I.R. Boundary	S.48° 30' W.	52.00		34.45		38.95
U.I.R. Boundary	S.81° 15' W.	149.64		22.76		147.90
Convergency					.17	
Totals			334.55	334.25	203.92	203.79
Error in lat.			25			
Error in dep.				.30		.79
						.13

*Andy J. Stewart*  
U.S. Deputy Surveyor.

June 1, 1904.

**BLANK**

**PAGE**

# FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by \_\_\_\_\_, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of \_\_\_\_\_

wing the respective capacities in which they acted:

\_\_\_\_\_, Chainman.

For final affidavits see book "W" T. 5 S., R. 7 W. \_\_\_\_\_, Chainman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted \_\_\_\_\_, United States Deputy Surveyor, in surveying all parts or portions of the \_\_\_\_\_

of the \_\_\_\_\_  
meridian, \_\_\_\_\_ of \_\_\_\_\_, which are represented  
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey  
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the  
monuments established, according to the instructions furnished by the United States Surveyor  
General for \_\_\_\_\_

\_\_\_\_\_, Chainman.

For final affidavits see book "W" T. 5 S., R. 7 W. \_\_\_\_\_, Chainman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

scribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 1899 }

SEAL

**FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.**

I, \_\_\_\_\_, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from \_\_\_\_\_, United States Surveyor General for \_\_\_\_\_, bearing date of \_\_\_\_\_ day of \_\_\_\_\_, 189\_\_\_\_\_, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for \_\_\_\_\_, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_.

For final affidavits see book "W. T. 5 S., R. 7 W."

..... of the .....  
..... meridian, in the ..... of ..... which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will stand the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

*United States Deputy Surveyor*

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this ..... day of \_\_\_\_\_, 189 }



**APPROVAL.**

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 18, 1903

The foregoing field notes of the survey of Subdivision of Township No. 6 South Range No. 3 West. of the Uintah Special Base and Meridian, Utah

executed by John R. Stewart and Andy J. Stewart, <sup>their</sup> heirs, under his contract No. 271, dated July 22, 1903, 189\_\_\_\_\_, having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

*Edward H. Anderson*  
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_ has been correctly copied from the original notes on file in this office.

*United States Surveyor General*

**BLANK**

**PAGE**

---

**BLANK**

**PAGE**

1-674  
U.S. DEPARTMENT OF COMMERCE  
BOOK A 308 FILED AUG 30 1904  
AUG 30 1904

# FIELD NOTES

ON THE SURVEY OF THE  
WEST AND NORTH FOUNDRYLAND

Township No. 6 South.

Range No. 6 West.

by the SISTERS STEPHEN CO. INC.

Maryland.

1894.

AS SURVEYED BY

W. R. STEPHEN AND JAMES A. STEPHEN

United States Surveyor Superintendents

Contract No. 172 dated July 30, 1894.

Survey completed Nov. 26, 1894.

Survey completed May 30, 1894.

1894.

**NAMES AND DUTIES OF ASSISTANTS.**

J. Frank Hoyt, ..... Chainman

John H. Kienke, ..... Chainman

Harvey R. Booth, ..... Moundman

Elmer A. Jacobs ..... Moundman

George T. Littley ..... Axman

Bert Carter, ..... Axman

Aurthur Harris, ..... Flagman

For premiliary affidavits see book "Q" T. 7 S. R. 5 W

BOOK A-308

INDEX DIAGRAM.

*Township*....., *Range*.....

6	5	4	3	2	1
7	8	9	10	11	12
16	17	18	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

*Meanders Page*.....

## PRELIMINARY OATHS OF ASSISTANTS.

We, \_\_\_\_\_, do solemnly swear and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pine, either by sticking or dropping the string; that we will report the true distances to all notable objects, and the true lengths of all lines that we may measure, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman

, Chainman

Subscribed and sworn to before me this

day of ....., 190



We, \_\_\_\_\_, do solemnly swear and

do solemnly swear that we will well and truly perform the duties of menders in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Mender

, Mender

Subscribed and sworn to before me this

day of ....., 190



We, \_\_\_\_\_, do solemnly swear and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman

, Axman

Subscribed and sworn to before me this

day of ....., 190



I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of .....

, Flagman

Subscribed and sworn to before me this .....

day of ....., 190



Survey commenced May 20, 1904, and executed with a W. and L. E. Gurley light mountain transit No. -- with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs. The instrument was examined, tested on the mer. at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on August 21, 1903.

I examine the adjustments of the instrument and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a mer. established by obsn. on Pol., I proceed as follows: At the cor. of Tps. 6 and 7 S., Rs. 6 and 7 W., latitude  $39^{\circ} 55' 01''$  N., longitude  $10^{\circ} 39' 31''$  W., I set off  $39^{\circ} 55' N.$ , on the lat. arc;  $20^{\circ} 4' N.$ , on the decl. arc; and at 4 h 3 m p.m., l.m.t., determine a mer. with the solar, and mark a point thereof on a stone set firmly in the ground, 5.00 chs. N. of the cor.

May 20, 1904.

---

May 21, 1904: At 3 h 530 m. n. a.m., l.m.t., I obs. Pol. at eastern elong. in accordance with the Manual, and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs. N. of the cor.

At 6 h 30 m. a.m., l.m.t., I lay off the azimuth of Pol.  $1^{\circ} 34.4'$  to the west, and mark the mer. thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.4 ins. east of the mark determined with the solar.

At 7 h 2 m a.m., l.m.t.; I set off  $39^{\circ} 55' N.$ , on the lat. arc;  $20^{\circ} 12' N.$ , on the decl. arc; and mark the mer. determined

West boundary of Tps.6 S., R.6 E.-Continued.

Chs. with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.38 ins. east of the mer. established by Pol. obsn. The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about  $0^{\circ}21'$  west and  $0^{\circ}20'$  east of the mer. established by Pol. obsn.; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian, at 7 h. 30 m. a.m., is N.  $10^{\circ}38'W.$ , the angle thus determined gives the mag. decl.  $16^{\circ}38'E.$

From the cor. of Tps.6 and 7 S., Rs.6 and 7 W., heretofore described,

I run

North, bet. secms. 31 and 36.

Over mountainous land; through scattering timber and scattering undergrowth.

Ascend.

4.00 Top of ridge, 60 ft. above Tp. cor., bears N.  $30^{\circ}E.$  and S.  $30^{\circ}W.$ .

Desc.

40.00 Set a limestone, 18x8x6 ins., 12 ins. in the ground, for t sec. cor., mkd. t on W. face; from which

An aspen, 8 inn. dia., bears N.  $80^{\circ}E.$ , 200 lks.  
dist. mkd. t S 31-B T.

A pinon pine, 6 inn. dia., bears N.  $75^{\circ}W.$ , 100 lks.  
dist. mkd. t S 36-B T.

51.00 Enter heavy aspen timber, bears E. and W.

50.70 Creek, 1. lk. wide, 1 in. deep, in bottom of Lover's Canon,  
800 ft. below ridge, course N.  $70^{\circ}E.$

Leave aspen timber, bears with capon.

Asc.

West boundary of T 6 S R 6 W.-Continued.

Chs.	
60.00	Old road, bears N.70° E. and S.70° W.
65.00	Begin more abrupt ascent, bears N.70° E. and S.70° W.
77.00	Top of ridge, 500 ft. above canon, bears E. and W.
	Desc.
80.00	Set a sandstone, 20x8x4 ins., 15 ins. in the ground, for cor. of secs. 25, 30, 31, and 36, mkd. with 5 notches on N. and 1 notch on S. edges; dig pits, 18x18x12 ins., in each sec.; 5½ ft. dist.,; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, mountainous.
	Soil, sandy and gravelly loam; 2nd rate.
	Timber, aspen.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.

---

North, bet. secs. 25 and 30.

Over mountainous land; through scattering undergrowth.

Descend abruptly.

6.25	Bottom of canon, 300 ft. below sec. cor., course E.
	Asc.
11.00	Enter heavy timber, bears E. and W.
31.00	Top of ridge, 600 ft. above canon, bears N.80° W. and S. 80° E.
	Descend .
31.25	Leave timber, bears E. and W.
40.00	Set a sandstone, 16x14x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, 18x18x12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.

## West boundary of T. 6 S., R. 6 W.-Continued.

Chs.

- 45.00 Bottom of canon, 500. ft. below ridge, course S. 70° E.  
 Asc.  
 47.00 Enter heavy timber, bears E. and W.  
 60.75 Small spring, 2 lks. wide, 1 in. deep, course S. 5° W.  
 75.50 Leave heavy timber, bears E. and W.  
 80.00 Set a sandstone, 24x17x6 ins., 18 ins. in the ground, for cor. of secs. 19, 24, 25, and 30, mkd. with 4 notches on N. and 2 notches on S. edges; dig pits, 18x18x12 ins. in each sec. 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.  
 Land, mountainous.  
 Soil, sandy and gravelly loam; 2nd rate.  
 Timber, pinon pine.  
 Undergrowth, sage brush.  
 Good grass for grazing.  
 Mountainous or heavily timbered land, 80.00 chs.  
 May 21, 1904: At this cor. I set off 20°13' N., on the decl. arc; and at 0 h 3 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is 39° 57' N., which is the proper lat. nearly.

North, bet. secs. 19 and 24.

- Over mountainous land; scattering undergrowth.  
 Asc.  
 4.00 Top of divide ridge bet. Cottonwood and Sower's Canon, bears E. and W.  
 Desc.  
 18.25 Head of Cottonwood Canon, 150 ft. below ridge, course N. 20° E.  
 Asc.  
 40.00 Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; dig pits, 18x18x12 ins., N. and S. of stone, 3 ft. dist.; and

West boundary of T.6 S., R.6 W. -Continued.

- Chs. raise a mound of earth,  $3\frac{1}{2}$  ft base, 1 $\frac{1}{2}$  ft. high, W. of cor.
- 43.00 Top of divide ridge between Indian and Cottonwood Canons, 150 ft. above canon, bears N.  $20^{\circ}$  E. and S.  $20^{\circ}$  W.
- Desc.
- 56.00 Bottom of hollow, 300 ft. below ridge, course W.
- Asc.
- 68.00 Top of ridge, 300 ft. above hollow, bears E. and W.
- Desc. through heavy timber.
- 80.00 Set a sandstone, 20x12x5 ins., 15 ins. in the ground, for cor. of secs. 13, 18, 19, and 24, mkd. with 3 notches on N., and S. edges; from which
- A pinon pine, 8 ins. dia., bears N.  $45^{\circ}$  E., 40 lks. dist., mkd. T 6 S R 6 W S 18 B T.
- A pinon pine, 10 ins. dia., bears S.  $55^{\circ}$  E., 88 lks. dist., mkd. T 6 S R 6 W S 19 B T.
- A pinon pine, 12 ins. diam., bears S  $35^{\circ}$  W., 12 lks. dist., mkd. T 6 S R 7 W S 24 B T.
- A red pine, 10 ins. dia., bears N.  $12^{\circ}$  W., 65 lks. dist., mkd. T 6 S R 7 W S 13 B T.
- Land, mountainous.
- Soil, gravelly; 3rd rate.
- Timber, cedar, pinon pine, and red pine.
- Undergrowth, sage brush.
- Good grass for grazing.
- Mountainous or heavily timbered land, 80.00 chs.

May 21, 1904.

---

May 22, 1904: At 7 h 3 m a.m., l.m.t., I set off  $38^{\circ} 58' N.$ , on the lat. arc;  $20^{\circ} 24' N.$ , on the decl. arc; and determined a mer. with the solar at the cor. of secs. 13, 18, 19, and 24. Thence I run

North, bet. secs. 13 and 18.

West boundary of T.6 S .R.6 W.-Continued.

Chs.	Over mountainous land; through heavy timber.
	Desc.
1.50	Bottom of canon, 100 ft. below cor., course W.
	Asc.
38.00	Top of ridge, 500 ft. above canon, bears E. and W.
	Desc.
40.00	Set a sandstone, 20x12x5 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec.cor., mkd. $\frac{1}{4}$ on W. face; from which
	A pinon pine, 9 ins. dia., bears N. $65^{\circ}$ E., 40 lks. dist., mkd. $\frac{1}{4}$ S 18 B T.
	A pinon pine, 9 ins. dia., bears N. $82^{\circ}$ W., 30 lks. dist., mkd. $\frac{1}{4}$ S 13 B T.
58.50	Bottom of hollow, 500 ft. below ridge, course W.
	Asc.
71.50	Top of ridge, 500 ft. above hollow, bears E. and W.
	Desc.
80.00	Set a sandstone, 16x10x7 ins., 11 ins. in the ground, for cor. of secs. 7, 12, 13, and 18, mkd. with 2 notches on N. and 4 notches on S. edges; from which
	A pinon pine, 6 ins. dia., bears N. $30^{\circ}$ E., 35 lks. dist., mkd. T 6 S R 6 W S 7, B T.
	A pinon pine, 6 ins. dia., bears S. $30^{\circ}$ E., 35 lks. dist., mkd. T 6 S R 6 W S 18 B T.
	A pinon pine, 16 ins. dia., bears S. $25^{\circ}$ W., 45 lks. dist. mkd. T. 6 S R 7 W S 13 B T.
	A pinon pine, 7 ins. dia., bears N. $40^{\circ}$ W., 30 lks. dist. mkd. T 6 S R 7 W S 12 B T.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine.
	Good grass for grazing.
	Mountainous and heavily timbered land, 80.00 chs.

West boundary of T. 6 S., R. 6 W.-Continued.

Chis.

North, bet. secs. 7 and 12.

Over mountainous land, through heavy timber.

Descend.

.30 Bottom of hollow, 10 ft. below sec. cor., course NW

ASC.

9.25 Top of ridge, 200 ft. above hollow, bears NE. and SE. Desc.

35.00 leave timber, bears E and w

38.00 Bottom of canon, 1000 ft below ridge, course NW

155

40.00 Set a sandstone, 16x14x10 ins., 11 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{2}$  on W. face; and raise a mound of stone,  
2 ft. base, 1 ft. high,  $\frac{1}{2}$  of cor.

56.25 Top of ridge .600 ft above hollow bears west - 1 cm

1085

76.00 Foot of descent 700 ft below ridge base

Enter bottom of left-hand Fork of Indus.

Unter diesen mittellosen Leuten sind auch

78.00 Creek 5 lks wide 5 ins deep

80.00 Set a sandstone, 16x10x8 ins., 11 ins. in the ground, for  
cor. of secr. 1, 6, 7, and 12, mkd. with 1 notch on N. and 5  
notches on S. edges; and raise a mound of stone, 2 ft. base,  
1 ft. high, E. of cor.

land, mountainous.

Soil, white clay; 3rd rate.

### Timber, pinon pine.

### Undergrowth, willows.

Mountains or heavily timbered land, or land covered with dense undergrowth. 80-90% obs.

May 22, 1904 : At the noon hour the sky is overcast and solar observations are impossible.

North, best scores 1 and 6

West boundary of T. 6 S., R. 6 W. Continued.

Chr.	Over level canon bottom; through dense willows.
12.00	Leave willows and enter scattering timber; bears N.60° E. and S.60° W.
	Leave canon bottom, bears N.60° E. and S.60° W.
	Asc.
12.75	Old road, bears N.60° E. and S.60° W.
23.15	Ledge, 20 ft. high, bears E. and W.
27.00	Top of ridge, 500 ft. above canon, bears E. and W. Enter heavy red pine timber.
	Desc.
39.00	Bottom of canon, 450 ft. below ridge, course SE. Leave timber, bears with hollow.
	Asc. abruptly.
40.00	Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for sec.cor.mkd.T on W.face; and raise a mound of stone, 2 ft. base, 12' ft. high, W. of cor.
45.00	Enter ledges, bears NW and SE.
60.00	Ridge, 900 ft. above canon, bears N.30° W. and S.30° E. Leave ledges
80.00	Set a sandstone, 18x11x4 ins., 12 ins. in the ground, for cor. of Tps. 5 and 6 S., Rs. 6 and 7 W., mkd. 5 S on NE, 6 W on SE., 6 S on SW., and 7 W on NW. faces; with 6 notches on each edge; from which  A red pine, 6 inc.dia., bears N.7° E., 42 lks. dist., mkd. T 5 S R 6 W S 31 B T.  A red pine, 10 ins.dia., bears S.18° E., 92 lks. dist., mkd. T 6 S R 6 W S 6 B T.  A red pine, 6 ins.dia., bears S.10° W., 67 lks. dist., mkd. T 6 S R 7 W S 1 B T.  A red pine, 6 ins.dia., bears N.71° W., 95 lks. dist., mkd. T 5 S R 7 W S 36 B T.
	Land, mountainous.
	Soil, white clay and gravelly; 3rd rate.
	Timber, cedar, pitch pine, and red pine.
	Undergrowth, willows.

Survey of 1.6 S. R. 6 T. -Concluded.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

May 22, 1804.

May 23, 1804: At 7 H 30 m. a.m., l.m.t., I set off 40° 00' N., on the lat. arc; 20° 36' N., on the decl. arc; and determine a mer. at the cor. of Tps. 5 and 6 S., Rs. 5 and 6 W., heretofore described.

Thence I run

West, on a random line along north bdy. of Tr., setting temp. & sec., and sec. cors. at intervals of 40.00 chs., and at 479.00 chs. intersect W. bdy. of 1p. 14 lks. S. of the cor. of Tps. 5 and 6 S., Rs. 6 and 7 W., the falling answers to a correction of 1' or 2 lks. S. per mile counting from the cor. of Tps. 5 and 6 S., Rs. 6 and 7 W..

May 23, 1804: At the noon hour the sky is overcast and solar observations are impossible.

Thence I run

88° 59' E., on a true line bet. secs. 6 and 31.

Over mountainous land; through heavy timber.

Desc.

4.40 Bottom of hollow, 50 ft. below cor., course SE.

Asc.

10.80 Top of ridge, 100 ft. above hollow; bears NW and SE.

Desc.

26.40 Bottom of hollow, 50.0 ft. below ridge; course SE.

Asc. over ledges.

32.00 Set a sandstone, 20x12x4 ins., 15 ins. in the ground, for

North boundary of T. 6 S., R. 6 W.-Continued.

Chs.	<p><math>\frac{1}{4}</math> sec.cor. mkd.<math>\frac{1}{4}</math> on N.face; from which          A pinon pine, 5 ins. dia., bears N. <math>12^{\circ}</math> W., 48 lks.          dist.. mkd.<math>\frac{1}{4}</math> S 31 B T.</p> <p>A pinon pine, 24 ins. dia., bears S. <math>62^{\circ}</math> W.,          15 lks. dist.. mkd.<math>\frac{1}{4}</math> S 6 B T.</p>
43.40	Top of spur, 200 ft. above hollow, bears NW and SE. Desc.
44.00	Leave timber, bears NW and SE.
79.00	<p>Set a limestone, 14x6x6 ins. 9 ins. in the ground, for          cor. of secs. 5, 6, 31, and 32, mkd. with 5 notches on E. and 1          notch on W. edges; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math>          high, W. of cor.</p> <p>Land, mountainous.</p> <p>Soil, gravelly and rocky; 3rd and 4th rate.</p> <p>Timber, cedar, pinon pine, red pine, balsam, and long leaf          pine.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, 79.00 chs.</p> <hr/>
19.00	<p>S. <math>89^{\circ} 59' E.</math>, on a true line bet. secs. 5 and 32.</p> <p>Over mountainous land.</p> <p>Desc. abruptly over ledges.</p>
24.50	<p>Foot of descent, 500 ft. below sec.cor., bears NE and SW.</p> <p>Enter bottom of left-hand fork of Indian Canon.</p> <p>Enter dense undergrowth, bears NE and SW. Leave ledges.</p>
34.00	Old road, bears NE and SW.
36.00	Creek, 4 lks. wide, 2 ins. deep, moderate current, sandy bottom, course NE.
40.00	Leave canon, bears NE and SW.
	Leave undergrowth, bears NE and SW.
	ASC.
	Set a sandstone, 18x9x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor. mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

North Ddy T 6 S. R.6 W.-Continued.

cls.  
46.00 Top of spur, 400 ft. above canon, bears N. and S.  
Enter scattering timber, bears N. and S.  
Desc.  
53.00 Bottom of hollow, 350 ft. below spur, course NW.  
Asc.  
60.00 Enter ledges, bears N. and S.  
76.50 Top of spur, 800 ft. above hollow, bears NW and SE.  
Leave ledges, bears NW and SE.  
Enter heavy timber, bears NW and SE.  
Desc.  
80.00 Set a sandstone, 18x14x5 ins., 12 ins. in the ground, for  
cor. of secs. 4, 5, 32, and 33, mkd. with 4 notches on E. and 2  
notches on W. edges; from which:  
A red pine, 12 ins. dia., bears N.  $51^{\circ} 30' E.$ , 55 lks.  
dist. mkd. T 5 S R 6 W 3 33 B T.  
A red pine, 6 ins. dia., bears S.  $76^{\circ} E.$ , 13 lks.  
dist. mkd. T 6 S R 6 W 3 4 B T.  
A red pine, 4 ins. dia., bears S.  $53^{\circ} W.$ , 46 lks.  
dist. mkd. T 6 S R 6 W 3 5 B T.  
A red pine, 6 ins. dia., bears N.  $45^{\circ} 30' W.$ , 57 lks.  
dist. mkd. T 5 S R 6 W 3 2 B T.  
Land, maintaining a und level.  
Soil, gravelly and rocky; 3rd and 4th rate.  
Timber, cedar, pinon pine, red pine, and mahogany.  
Undergrowth, sage brush, and willows.  
Good grass for grazing.  
Mountainous or heavily timbered land, or land covered  
with dense undergrowth, 80.00 cls.

May 23, 1904.

---

May 24, 1904: at 7 h 3 m a.m., l.m.t., I set off 40°00' N.,

North boundary of T.6 S.R.6 W .-Continued.

Chs.	on the lat.arc; $20^{\circ}47'N.$ , on the decl.arc; and determined a mer. with the solar at the cor.of secs.4,5,32, and 33. Thence 1 run S. $89^{\circ}59'E.$ , on a true line bet.secs.4 and 33. Over mountainous land; through heavy timber. Desc.
10.00	Bottom of hollow, 100 ft. below ridge, course N. $30^{\circ}W.$ . Asc.
23.00	Top of ridge, 200 ft. above hollow, bears N. $30^{\circ}E.$ and S. $30^{\circ}W.$ . Desc.
38.00	Bottom of hollow, 400 ft. below ridge, course N. Asc.
40.00	Set a sandstone, 14x8x5 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec.cor.. mkd. $\frac{1}{4}$ on N. face; from which A red pine, 6 ins. diam., bears N. $75^{\circ}E.$ , 93 lks. dist. mkd. $\frac{1}{4}$ S 33 B T. A red pine, 12 ins. dia., bears S. $70^{\circ}W.$ , 70 lks. dist., mkd. $\frac{1}{4}$ S 4 B T.
48.00	Top of spur, 300 ft. above hollow, bears N. and S. Desc.
53.50	Bottom of hollow, 200 ft. below ridge, course N. $20^{\circ}W.$ . Asc.
59.50	Top of spur, 150 ft. above hollow, bears N. $20^{\circ}W.$ and S. $20^{\circ}E.$ . Desc.
64.25	Bottom of hollow, 150 ft. below spur, course N. Asc.
69.00	Top of spur, 150 ft. above hollow, bears N. and S. Desc.
71.25	Bottom of hollow, 150 ft. below spur, course N. $10^{\circ}W.$ . Asc.
80.00	Set a limestone, 18x9x4 ins. 12 ins. in the ground, for cor.of secs.3,4,33, and 34, mkd. with 3 notches on E., and w. edges; from which A pinon pine, 5 ins. dia., bears N. $25^{\circ}E.$ , 30 lks.

North boundary of T. 6 S., R. 6 W.-Continued.

Chs. dist. mkd.T 5' S R 6 W S 34 B T.  
A pinon pine, 9 ins. dia., bears S.  $33^{\circ}$  E., 36 lks.  
dist. mkd.T 6 S R 6 W S 3 B T.  
A red pine, 8 ins. dia., bears S.  $46^{\circ}$  W., 41 lks.  
dist. mkd.T 6 S R 6 W S 4 B T.  
A red pine, 10 ins. dia., bears N.  $61^{\circ}$  W., 37 lks.  
dist. mkd.T 5 S R 6 W S 33 B T.  
Land, mountainous.  
Soil, gravelly; 3rd rate.  
Timber, cedar, pinon pine, and red pine.  
Good grass for grazing.  
Mountainous or heavily timbered land, 80.00 chs.

---

S.  $89^{\circ} 59' E.$ , on a true line bet. secs. 3 and 34.

Over mountainous land; through heavy timber.

Asc.

3.00 Top of ridge, 25 ft. above sec. cor., bears N. and S.

Desc.

11.00 Bottom of hollow, 300 ft. below ridge, course N.

Asc.

17.50 Top of spur, 200 ft. above hollow, bears N. and S.

Desc.

22.00 Bottom of hollow, 200 ft. below spur, course N.

Asc.

30.00 Top of spur, 150 ft. above hollow, bears N. and S.

Desc.

37.00 Bottom of hollow, 100 ft. below spur, course N.

Asc.

40.00 Set a sandstone, 20x14x4 ins., 15 ins. in the ground, for  
 $\frac{1}{2}$  sec. cor., mkd.  $\frac{1}{2}$  on N. face; from which

A pinon pine, 8 ins. dia., bears N.  $55^{\circ}$  E., 86 lks.

dist. mkd.  $\frac{1}{2}$  S 34 B T.

North boundary of T 6 S R 6 W -Continued

- |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chs.  | A pinon pine, 6 ins. dia., bears S. 25° E., 110 lks.<br>dist.. mkd. $\frac{1}{2}$ S 3 B T.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 50.00 | Top of ridge, 200 ft. above hollow, bears NE and SW. Divide bet. Cottonwood and Indian Canons.<br>Desc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 74.00 | Leave heavy and enter scattering timber, bears NE and SW.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 74.50 | Bottom of Cottonwood Canon, 500 ft. below ridge, course NE.<br>Asc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 80.00 | Set a sandstone, 18x13x4 ins., 12 ins. in the ground, for cor. or secs. 2, 3, 34, and 35, mkd. with 2 notches on E. end 4 notches on W edges; from which<br><br>A red pine, 4 ins. dia., bears N. 69° E., 111 lks.<br>dist.. mkd. T 5 S R 6 W S 35 B T.<br><br>A red pine, 16 ins. dia., bears S. 13° E. , 118 lks. dist.. mkd. T 6 S R 6 W S 2 B T.<br><br>A pinon pine, 7 ins. dia., bears S. 16° 30' W., 162 lks. dist.. mkd. T 6 S R 6 W S 3 B T.<br><br>No other tree within limits; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.<br>Land, mountainous.<br>Soil, gravelly ; 3rd rate.<br>Timber, cedar, pinon pine, and red pine.<br>Good grass for grazing.<br>Mountainous or heavily timbered land, 80.00 chs.<br>May 24, 1904: At this cor. I set off 20° 48' N., on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is 40° 00' N., which is the proper lat. nearly. |
- 
- S. 89° 59' E., on a true line bet. secs. 2 and 35.  
Over mountainous land; through heavy timber .  
Asc.

North boundary of T 6 S R 6 W.-Continued.

Chs.	
4.00	Leave heavy and enter scattering timber,bears N.and S.
30.00	Top of ridge,500 ft.above sec.cor.,bears N.and S. Desc. .
40.00	Bottom of hollow,150 ft.below ridge,course N. Set a limestone,18x12x3 ins.,12 ins.in the ground,for sec.cor. mkd.¶ on N.face;from which A pinon pine,11 ins.dia.,bears N.30° E.,4 lks. dist..mkd.¶ S 35 B T. A pinon pine,6 ins.dia.,bears S.10° E.,275 lks. dist..mkd.¶ S 2 B T.
	Asc.
63.00	Top of divide ridge bet.Soren's and Cottonwood Canons, 200 ft.above hollow,bears N.30° W. and S.30° E. Enter heavy timber,bears with ridge. Desc.
80.00	Set a sandstone,18x9x6 ins.,12 ins.in the ground,for cor.or secs.1,2,35, and 36,mkd.with 1 notch on E.and 5 notches on W.edger;from which A red pine,9 ins.,dia.,bears N.68° E ,20 lks. dist..mkd.T 5 S R 6 W S 36 B T. A red pine,12 ins.dia.,bears S.20° L.,31 lks. dist..mkd.T 6 S R 6 W S 1 B T. A red pine,10 ins.dia.,bears S.50° W.,18 lks. dist..mkd.T 6 S R 6 W S 2 B T. A pinon pine,10 ins.dia.,bears N.46° W.,22 lks. dist..mkd.T 5 S R 6 W S 35 B T. Land,mountainous. Soil,gravelly;3rd rate. Timber,cedar,pinon pine, and red pine. Good grass for grazing. Mountainous or heavily timbered land,80.00 chs.

North bdy.T.6 S., R.6 W.-Continued.

Chs.

S.89° 59'E., on a true line bet. secs. 1 and 36.

Over mountainous land; through heavy timber.

Desc..

28.50 Bottom of branch of Sower's Cañon, 600 ft. below sec.cor., course N.35°W.

Asc.

32.50 Spring branch, 2 lks. wide, 2 ins. deep, course NW. The spring bears S.5 lks. dist.

40.00 Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for sec.cor.. mkd.  $\frac{1}{4}$  on N. face; from which

A pinon pine, 12 ins. dia., bears N.75°E., 60 lks. dist. mkd.  $\frac{1}{4}$  S 3G B T.

A pinon pine, 12 ins. dia., bears S.60°E., 75 lks. dist. mkd.  $\frac{1}{4}$  S 1 B T.

67.00 Top of ridge; 800 ft. above canon, bears NE and SW.

Desc.

72.00 Leave timber, bears N. and S.

80.00 The cor. of Tps. 5 and 6 S., Rs. 5 and 6 W.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, cedar, pinon pine, and red pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

May 24, 1904.

## North boundary of T. 6 S., R. 6 W. -Continued.

Boundaries of T. 6 S., R. 6 W.

Latitudes, departures, and closing errors.

Line designated	True Bearing	Distance chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
N.bdy.T. 6 S., R. 6 W.	North	480.00	480.00			
E.bdy.T. 6 S., R. 6 W.	S. 89 52' E.	479.00		.14	479.00	
E.bdy.T. 6 S., R. 6 W.	South	480.00		480.00		
S.bdy.T. 6 S., R. 6 W.	West	478.79				478.79
Convergency					.61	
Totals			480.00	480.14	479.61	478.79
Error in lat.				.14	478.79	
Error in dep.						.82

G.M.C. .... M.J. M.C.

This township is all continuous. It is well timbered and well watered. It should be subdivided.


  
 U.S. Deputy Surveyor.

May 24, 1904.

**BLANK**

**PAGE**

BOOK A SEC.

**FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.**

**LIST OF NAMES.**

A list of the names of the individuals employed by .....  
....., United States Deputy Surveyor, to assist in running, measuring, and  
marking the lines and corners described in the foregoing field notes of the survey of .....

wing the respective capacities in which they acted:

....., *Chainman*.  
....., *Chainman*.  
....., *Moundman*.  
final affidavits see book "U", T.5 S., R.7 W., *Moundman*.  
....., *Axman*.  
....., *Axman*.  
....., *Flagman*.

**FINAL OATH OF ASSISTANTS.**

We hereby certify that we assisted .....  
....., United States Deputy Surveyor, in surveying all  
e parts or portions of the .....

..... of the .....

..... meridian, ..... of ..... which are represented  
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey  
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the  
various monuments established, according to the instructions furnished by the United States Surveyor  
General for .....

....., *Chainman*.  
....., *Chainman*.  
....., *Moundman*.  
For final affidavits see book "U", T.5 S., R.7 W., *Moundman*.  
....., *Axman*.  
....., *Axman*.  
....., *Flagman*.

scribed and sworn to before me this ..... }  
day of ..... , 190 }

SEAL

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..... United States Deputy Surveyor,  
solemnly swear that, in pursuance of a contract received from  
United States Surveyor General for, ..... bearing date of  
..... day of ..... 190 , I have well, faithfully, and truly, in my  
proper person, and in strict conformity with the instructions furnished by the United States Surveyor  
General for, ..... the Manual of Surveying Instructions, and the laws of  
United States, surveyed all those parts or portions of, .....

For final affidavits see book "U", T.5.S., R.7.W.

..... of the  
..... meridian, in the ..... of ..... which are represented in  
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly  
swear that all the corners of said survey have been established and perpetuated in strict accordance w/  
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor  
General for, ..... and in the specific manner described in the field notes, and that  
the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer  
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor

Subscribed by said ..... and sworn to before me }  
this ..... day of ..... 190 }

000000  
0 SEAL 0  
000000

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah. October 18, 190

The foregoing field notes of the survey of West and North Boundaries of T.6  
South, Range 3 West, of the Uintah Special Base and Meridian,  
Utah.

executed by John R. Stewart and Andy J. Stewart,  
their  
under their contract No. 271, dated July 22, 1903 having been  
critically examined, and the necessary corrections and explanations made, the said field notes, and the  
surveys they describe, are hereby approved.

*Edward A. Anderson*  
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in .....  
has been correctly copied from the original notes on file in this office.

United States Surveyor General.

**BLANK**

**PAGE**

**BLANK**

**PAGE**

BOOK A-308

FILED AUG 19 1904

AUG 19 1904

## FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 7 South, Range No. 5 West.

Of the UNTAH SPECIAL BASE AND Meridian,

STATE OF UTAH.

AS SURVEYED BY

W. R. Stewart and Andy J. Stewart, United States Deputy Surveyors

Under their Contract No. 271, dated July 22, 1903., 190

Survey commenced June 2, 1904., 190

Survey completed June 4, 1904., 190

Aug 13 94 15  
Aug 1-04 38

BOOK A-500  
NAMES AND DUTIES OF ASSISTANTS.

J. Frank Hoyt, Chainman

John H. Kienke, Chainman

Harvey R. Booth, Moundman

Elmer A. Jacobs, Moundman

George T. Littley, Axman

Bert Carter, Axman

Arthur Harris, Flagman

For preliminary affidavits see book "R" T. 6 S., R. 3 W.

6-161

Volume

#

R0308

BOOK A-308

INDEX DIAGRAM.

*Township* \_\_\_\_\_, *Range* \_\_\_\_\_

6	5	4	3	2	1
7	8	9	10	11	12
16	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

*Meanders Page* \_\_\_\_\_

**PRELIMINARY OATHS OF ASSISTANTS.**

We, ..... and .....

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will lay chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same, we will report the true distances to all notable objects, and the true lengths of all lines that we shall be measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of .....

, Chainmen

, Chainmen

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }  
}



We, ..... and .....

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of .....

, Moundmen

, Moundmen

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }  
}



We, ..... and .....

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of .....

, Axmen

, Axmen

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }  
}



I, ..... do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of .....

, Flagmen

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }  
}



Subdivision of T.7 S., R.5 W..

Survey commenced June 2, 1904, and executed with a W. and L. E. Gurley light mountain transit No. - , with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the mer. at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on August 21, 1903.

I examine the adjustments of the instrument, and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a mer. established by obsn. on Pol., I proceed as follows:

At the cor. of secs. 1, 2, 35, and 36, on N. bdy. of Tp., latitude  $39^{\circ} 55' 01''$  N., longitude  $110^{\circ} 27' 07''$  W., I set off  $39^{\circ} 55' 01''$  N., on the lat. arc;  $22^{\circ} 15' 00''$  N., on the decl. arc; and at 5 h 2 m p.m. l.m.t., I determine a mer. with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs.

N. of the cor.

June 2, 1904.

---

June 3, 1904: At 2 h. 38.8 m a.m., l.m.t., I observe Polaris at eastern elong. in accordance with the Manual, and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs. N. of the cor.

At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Pol.  $1^{\circ} 34.4'$  to the west, and mark a point in the mer. thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.37 ins. east of the mark established by the solar.

At 7 h 2 m a.m., l.m.t., I set off  $39^{\circ} 55' 01''$  N., on the lat. arc;

Subdivision of T.7 S., E.5 W.-Continued.

- Chs. 22° 20' E., on the decl. arc; and mark the mer. determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.38 ins. east of the mer. established by Pol. obsn.; The solar apparatus by p.m. and a.m. observations, defines positions for meridians, respectively about 0° 18' west and 0° 26' east of the mer. established by Pol. obsn.; therefore I conclude that the adjustments of the instrument are satisfactory.  
The magnetic bearing of the mer. at 7 h 35 m a.m., is N. 10° 34' W., the angle thus determined, gives the mag. decl. 10° 34' E.

---

From the cor. of secn. 1, 2, 35, and 36, on N. bdy. of tr., herebefore described;

1 run

S. 0° 1' E., bet. secn. 1 and 2.

Over mountainous land; through scattering sage brush.  
Desc.

- 18.00 Bottom of hollow, 250 ft. below sec. cor., course N. 80° E.  
Ascend.
- 46.00 Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{2}$  on W. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, E. of cor.
- 42.60 Top of ridge, 250 ft. above hollow, bears N. 80° E. and S. 70° E.  
Descend gently.
- 52.00 Begin steep descent, bears N. 80° E. and S. 80° W.  
Enter scattering timber, bears N. 80° E. and S. 80° W.
- 75.00 Bottom of Antelope Canon, 700 ft. below ridge, course NE  
Asc.
- 80.00 Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for

Subdivision of T.7 S., R.5. W. -Continued.

Chs.	cor. of secs. 1, 2, 11, and 12, marked with 5. notches on S. and 1 notch on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Land, mountainous.
	Soil, gravelly loam; 2nd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land, 80.00 chs.
<hr/>	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect E. bdy. of Tp., 10 lks. N. of the cor. of secs. 1, 6, 7, and 12., heretofore described.
	Thence I run.
	N. $89^{\circ} 56' W.$ , on a true line bet. secs. 1 and 12.
	Over mountainous land; through scattering undergrowth.
	Asc.
8.00	Top of ridge, 50 ft. above sec. cor., bears N. $30^{\circ} E.$ and S. $30^{\circ} W.$ .
	Descend.
40.05	Set a sandstone, 18x9x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
44.00	Bottom of hollow, 500 ft. below ridge, course N.
	Asc.
50.00	Top of ridge, 400 ft. above hollow, bears N. $20^{\circ} E.$ and S. $20^{\circ} W.$ .
	Desc.
80.10	The cor. of secs. 1, 2, 11, and 12.
	Land, mountainous.
	Soil, gravelly loam; 2nd rate.

Subdivision of T. 7 S., R. 5 W.-Continued.

Chs.	No timber.  Undergrowth, sage brush.  Good grass for grazing.  Mountainous land, or land covered with dense undergrowth, 80.10 chs.
	<hr/>
	S. 0° 1'E., bet. secs. 11 and 12.  Over mountainous land; through dense undergrowth.  Asc.
25.00	Top of ridge, 500 ft. above sec. cor., bears NE and SW.  Desc.
40.00	Head of hollow, 100 ft. below ridge, course E.  Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, 18x18x12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
55.00	Top of ridge, 100 ft. above hollow, bears N. 80° E. and S. 80° W.  Desc.
70.50	Head of canon, 300 ft. below ridge, course N. 50° E.  Asc.
80.00	Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for cor. of secs. 11, 12, 13, and 14, marked with 4 notches on S. and 1 notch on E. edges; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.  Land, mountainous.  Soil, gravelly; 3rd rate.  No timber.  Undergrowth, sage brush.  Good grass for grazing.  Mountainous land, or land covered with dense undergrowth, 80.00 chs.
	<hr/>

Subdivision of T. 7 S., R. 5 W. -Continued.

- |       |                                                                                                                                                                                                                                                                                                                                                            |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chs.  | S. 89° 56' E., on a random line bet. secs. 12 and 13.                                                                                                                                                                                                                                                                                                      |
| 40.00 | Set temp. $\frac{1}{4}$ sec. cor.                                                                                                                                                                                                                                                                                                                          |
| 79.98 | Intersect E. bdy. of Tp., 14 lks. N. of the cor. of secs. 7, 12, 13, and 18., heretofore described.<br>Thence I run<br>N. 89° 50' W., on a true line bet. secs. 12 and 13.<br>Over mountainous land; through dense undergrowth.<br>Asc.                                                                                                                    |
| .80   | Top of ridge, 10 ft. above cor. bears N. 30° E. and S. 30° W.<br>Descend.                                                                                                                                                                                                                                                                                  |
| 39.99 | Bottom of canon, 700 ft. below ridge, course N. 70° E.<br>Set a sandstone, 18x8x4 ins., 12 ins. in the ground, for<br>$\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone<br>2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.<br>Asc.                                                                                      |
| 74.50 | Top of ridge, 900 ft. above canon, bears NE and SW.<br>Descend.                                                                                                                                                                                                                                                                                            |
| 79.98 | The cor. of secs. 11, 12, 13, and 14.<br>Land, mountainous.<br>Soil, gravelly loam; 3rd rate.<br>No timber.<br>Undergrowth, sage brush and mahogany.<br>Good grass for grazing.<br>Mountainous land, or land covered with dense undergrowth,<br>79.98 chs.<br>June 3, 1904: At the noon hour the sky is overcast and<br>solar observations are impossible. |

---

The line bet. secs. 11 and 14 will intersect the Reservation boundary, therefore I run  
West, on a true line bet. secs. 11 and 14.

Subdivision of T. 7 S., R. 5 W.-Continued.

	Chs.	Over mountainous land; through dense undergrowth. Descend.
13.50		Bottom of hollow, 200 ft. below sec.cor., course N. 60° E. Asc.
40.00		Set a sandstone, 16x9x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
49.60		Intersect the South Boundary of the Mintah-Indian Reservation, set a sandstone, 16x9x7 ins., 11 ins. in the ground, for closing cor. of fract. secs. 11 and 14, marked C C U I R, with 2 grooves on N., and 2 grooves on E., and P.L. on S. faces; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor. From the closing cor. the $\frac{1}{2}$ mile cor. bet. the 48th and 49th mile cor. on the bdy., as established by Deputies A.H. and F.M. Brown under their contract No. 264, bears as follows: N. 54° 30' W., 8.25 chs., to the $\frac{1}{2}$ mile stone, bet. the 48th and 49th mile posts.
		Land, mountainous.
		Soil, gravelly loam; 2nd rate.
		No timber.
		Undergrowth, sage brush.
		Good grass for grazing.
		Mountainous land, or land covered with dense undergrowth, 49.60 chs.
		<hr/>
		Note: The line bet. secs. 13 and 14 will intersect the Reservation boundary; therefore I run S. 0° 1' E., on a true line bet. secs. 13 and 14. Over mountainous land; through dense undergrowth. Asc.
6.00		Top of ridge, 80 ft. above sec.cor., bears NE and SW. Desc.
24.00		Bottom of hollow, 250 ft. below ridge, course NE.

Subdivision of 1.7 S., R. 5 E.-Continued.

Chs.	Asc.
35.15	<p>Intersect South Boundary of the Uintah Indian Reservation, set a sandstone, 28x12x6 ins., 24 ins. in the ground, for closing cor. of frac. secs. 13 and 14, marked CC. U I R., with 2 grooves on N, and 1 groove on E, and P.L. on S. faces and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, N. of cor. From the closing cor. the <math>\frac{1}{2}</math> mile cor. bet. the 47th and 48th mile cors. on the bdy., as established by Deputies A.H. and F.M. Brown, bears as follows:</p> <p>S. <math>54^{\circ} 30' E.</math>, 11.04 chs., to the <math>\frac{1}{2}</math> mile stone, bet. the 47th and 48th mile corners.</p> <p>Land, mountainous.</p> <p>Soil, sandy and gravelly loam; 2nd rate.</p> <p>No timber.</p> <p>Undergrowth, sage brush.</p> <p>Good grass for grazing.</p> <p>Mountainous land, or land covered with dense undergrowth,</p> <p>35.15 chs.</p> <hr/> <p>From the cor. of secs. 2, 3, 34, and 35, on N. bdy. of Tp., heretofore described.</p> <p>I run</p> <p>S. <math>6^{\circ} 1' E.</math>, bet. secs. 2 and 3.</p> <p>Over mountainous land; through dense undergrowth.</p> <p>4.00 Top of ridge, 50 ft. above sec., bears E. and W. Eerc.</p> <p>Enter heavy aspen timber, bears N. <math>60^{\circ} W.</math>, and S. <math>60^{\circ} E.</math>.</p> <p>12.00 Leave timber, bears E. and W.</p> <p>15.00 Begin steep descent, bears E. and W.</p> <p>33.00 Bottom of canon, 700 ft. below sec. cor., course N. <math>70^{\circ} E.</math></p> <p>Asc.</p> <p>40.00 Set a sandstone, 20x12x10 ins., 15 ins. in the ground, for <math>\frac{1}{2}</math> sec. cor., marked <math>\frac{1}{2}</math> on W. face; and raise a mound of stone,</p>

Subdivision of T. 7 G.R. 5 W. -Continued

Chs.	2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
75.00	Top of ridge, 600 ft. above canon, bears N. $70^{\circ}$ E. and S. $70^{\circ}$ W.
Desc.	
80.00	Set a sandstone, 16x10x6 ins., 11 ins. in the ground, for cor. of secs. 2, 3, 10, and 11, marked with 5 notches on S. and 2 notches on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land,	mountainous
Soil,	sandy and gravelly loam; 2nd rate.
Timber.	aspen.
Undergrowth,	sage brush.
Good grass for grazing.	
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.	

---

East, on a random line bet. secs. 2 and 11.

40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.57	Intersect N. and S. line, 26 lks. S. of the cor. of secs. 1, 2, 11, and 12.
Thence I run	
	S. $89^{\circ} 49'$ W. on a true line bet. secs. 2 and 11.
Over mountainous land; through dense undergrowth.	
Desc.	
6.00	Bottom of Antelope Canon, 60 ft. below sec. cor., course NE.
Asc.	
30.00	Top of abrupt ascent, bears NE and S. $80^{\circ}$ W.
Ascend more gradually.	
39.78	Set a sandstone, 20x10x6 ins., 15 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
79.57	Point 800 ft. above canon.
The cor. of secs. 2, 3, 10, and 11.	

Subdivision of T 7 S R 5 W -Continued

Chs.	Land, mountainous.
	Soil, gravelly loam; 2nd rate.
	No timber.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land; or land covered with dense undergrowth, 79.57 chs.

June 3, 1904.

---

June 4, 1904: At 7 h 3 m a.m., l.m.t., I set off  $39^{\circ} 54' N.$ , on the lat.arc;  $22^{\circ} 27' N.$ , on the decl.arc; and determine a meridian with the solar, at the cor.of secs., 2, 3, 10, and 11.

Thence I run

S.  $0^{\circ} 1'E.$ , bet.secs.10 and 11.

Over mountainous land; through dense sage brush.

Desc.

18.00 Bottom of hollow, 200 ft. below sec.cor., course N.  $70^{\circ} E.$

Asc.

35.00 Top of ridge, 250 ft. above hollow, bears E. and W.

Desc.

40.00 Set a sandstone, 20x14x6 ins., 15 ins. in the ground, for sec.cor., marked  $\pi$  on W.face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W.of cor.

45.00 Bottom of Antelope Canon, 300 ft. below ridge, course NE.

Asc.

70.46 Intersect South Boundary of the Windah Indian Reservation, set a sandstone, 20x10x3 ins., 15 ins. in the ground, for closing cor.of frac.secs.10 and 11, marked C C U JR, with 2 grooves on N. and 2 grooves on E. and P.L. on S.faces; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N.of cor.

From the closing cor.the 49th mile cor.on the bdy.,

Subdivision of T 7 S .P 5 W -Continued

Chs. as established by Deputies A.H. and F.M. Brown, bears as follows:

N. $80^{\circ}15'W.$ , 16.60 chs., to the 49th mile stone.  
Land, mountainous.

Soil, gravelly loam; 2nd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,  
70.46 chs.

---

From the cor. of secs. 3, 4, 33, and 34, on N.bdy. of Tp., here-  
tofore described.

I run

S. $0^{\circ}2'E.$ , bet. secs. 3 and 4.

Over mountainous land; through scattering undergrowth.

Asc. along side of ridge.

27.00 Top of ridge, 150 ft. above sec. cor., bears N. $6^{\circ}E.$  and S.  
20° W.

Desc.

27.25 Enter heavy aspen timber, bears E. and W.

36.00 Leave timber, bears E. and W. and enter dense undergrowth.

40.00 Set a sandstone, 15x10x6 ins., 10 ins. in the ground, for  
sec. cor., marked  $\frac{1}{4}$  on W. face; dig pits, 18x18x12 ins., N.  
and S. of stone, 3 ft. dist., and raise a mound of earth,  $3\frac{1}{2}$   
ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

75.75 Bottom of hollow, 250 ft. below ridge, course N. $50^{\circ}E$ .

Asc.

76.00 Enter heavy aspen timber, bears E. and W.

80.00 Set a sandstone, 20x12x4 ins., 15 ins. in the ground, for  
cor. of secs. 3, 4, 9, and 10, marked with 5 notches on S. and  
3 notches on E. edges; from which

An aspen, 4 ins. diam., bears N. $28^{\circ}30'E.$ , 50 lbs.

Subdivision of T. 7 S., R. 5 W. -Continued.

- Chs. dist., mkd. T 7 S R 5 W S 3 B T.  
 An aspen, 4 ins. dia., bears S.  $39^{\circ}$  E., 38 lks.  
 dist., mkd. T 7 S R 5 W S 10 B T.  
 An aspen, 4 ins. dia., bears S.  $22^{\circ}$  W., 15 lks. dist.  
 mkd. T 7 S R 5 W S 9 B T.  
 An aspen, 4 ins. diam., bears N.  $45^{\circ}$  W., 12 lks.  
 dist., mkd. T 7 S R 5 W S 4 B T.  
 Land, mountainous.  
 Soil, gravelly loam; 2nd rate.  
 Timber, aspen.  
 Undergrowth, sage brush.  
 Good grass for grazing.  
 Mountainous or heavily timbered land, 80.00 chs.
- 
- 40.00 East, on a random line bet. secs. 3 and 10.  
 Set temp. & sec. cor.  
 79.68 Intersect N. and E. line, 28 lks. S. of the cor. of secs.  
 2, 3, 10, and 11.  
 Thence I run  
 ...  $89^{\circ} 45' W.$ , on a true line bet. secs. 3 and 10.  
 Over mountainous land; through dense undergrowth.  
 Accend.  
 10.00 Top of ridge, 100 ft. above sec. cor., bears N.  $60^{\circ}$  E. and S.  
 $60^{\circ}$  W.  
 Desc.  
 70.00 Bottom of hollow, 250 ft. below ridge, course N.  $20^{\circ}$  E.  
 Acc.  
 39.84 Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for  
 a sec. cor., marked  $\frac{1}{2}$  on N. face; and raise a mound of stone,  
 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
 44.00 Top of ridge, 300 ft. above hollow, bears N.  $20^{\circ}$  E. and S.  $20^{\circ}$   
 W.  
 Desc.

"Subdivision of T.7 S .R.5 W -Continued.

Chs.	
55.00	Bottom of hollow, 500 ft. below ridge; course N.10° E.
Asc.	
75.00	Top of ridge, 400 ft. above hollow, bears NE and S.
Desc.	
78.00	Enter heavy aspen timber, bears N. and S.
79.68	The cor. of secs. 3, 4, 9, and 10. Land, mountainous. Soil, gravelly loam; 2nd rate. Timber, aspen. Undergrowth, sage brush. Good grass for grazing. Mountainous, or heavily timbered land, or land covered with dense undergrowth, 79.68 chs.

Note: The line bet. secs. 4 and 9 will intersect the Reservation boundary, therefore I run West, on a true line bet. secs. 4 and 9.  
Over mountainous land; through heavy timber.  
Descend.

6.00	Bottom of hollow, 50 ft. below sec. cor., course N.50° E.
Asc.	
6.25	Leave timber, bears N.50° E. and S.50° W.
36.95	Intersect South Boundary of the Uintah Indian Reservation, set a sandstone, 18x9x5 ins., 12 ins. in the ground, for closing cor. of frac. secs. 4 and 9, marked C C U I R , with 1 groove on N., 4 grooves on E., and P L. on S. faces; and raise a mound of stone, 2 ft base, $1\frac{1}{2}$ ft. high, E. of cor. From the closing cor., the $\frac{1}{2}$ mile cor. bet. the 50th and 51st mile cors., on the bdy., as established by Deputies A.H. and F.M. Brown, bears as follows:

S.57° E., 12.34 chs., to the  $\frac{1}{2}$  mile stone, bet. the  
50th and 51st mile corners.

Subdivision of T 7 S., R. 5 W.-Continued.

Chs. Land, mountainous.  
Soil, gravelly loam; 2nd rate.  
Timber, cedar and pinon pine and aspen.  
Good grass for grazing.  
Mountainous or heavily timbered land, 36.95 chs.

Note: the line bet. secs. 9 and 10 will intersect the Reservation boundary, therefore I run

S. 0° 2' E., on a true line bet. secs. 9 and 10.

Over mountainous land; through heavy timber.

Ascend.

1.50 Leave timber and enter dense undergrowth, bears E. and W.  
21.50 Top of divide ridge, 250 ft. above sec. cor., bears N. 70° W.  
and S. 70° E.

Desc.

24.15 Intersect South Boundary of the Uintah Indian Reservation, set a sandstone, 24x12x8 ins., 18 ins. in the ground, for closing cor. of frac. secs. 9 and 10, marked C C U I R, with 1 groove on N. and 3 grooves on E., and P L on S. faces; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor. From the closing cor. the 50th mile cor. on the bdy., as established by Deputies A. H. and F. M. Brown, bears as follows:

S. 57° E., 8.28 chs., to the 50th mile stone.

Land, mountainous.

Soil; gravelly loam; 2nd rate.

Timber, aspen.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 24.15 chs.

June 4, 1904: At this cor. I set off 22° 28' N., on the decl. arc; and at 0 h 2 m p.m., 1.m.t., I observed the sun. on the mer. the resulting lat. is 39° 54' N., which is the proper

Subdivision of T. 7 S . R. 5 W -Continued.

Sec. Lat.nearly.

- Note: The line bet.sec.4 and 5, will intersect the Reservation bdy., therefore from the cor.of secs.4,5,32, and 33, on N.bdy.of sp., heretofore described,
- I run  
S.6°3'E., on a true line betsecs.4 and 5.  
Over mountainous land; through dense sage brush.  
asc.
- 12.00 Top of ridge, 50 ft.above sec.cor., bears N.20°E.and S.20°W.  
Continue gentle ascent along side of ridge.
- 38.00 Enter heavy timber,bears E.and W.
- 40.00 Set a sandstone, 16x12x4 ins., 11 ins.in the ground, for  $\frac{1}{2}$  sec.cor., marked  $\frac{1}{2}$  on W.face; from which  
An aspen, 6 ins.dia., bears S.32°E., 31 lks.  
dist., mkd.  $\frac{1}{2}$  S 4 B T.  
An aspen, 5 ins.dia., bears S.79°W., 21 lks.  
dist., mkd.  $\frac{1}{2}$  S 5 B T.
- 44.00 Leave timber,bears E.and W.
- 52.31 Intersect South Boundary of the Uintah Indian Reservation, set a sandstone, 16x14x $\frac{1}{2}$  ins., 12 ins.in the ground, for closing cor.of frac.secs.4 and 5, marked C C U I K , with 1 groove on N.s.d 4 grooves on E.,and F.L.,or S.faces; and raise a mound of stone, 2 ft.base, 1 $\frac{1}{2}$  ft.high,N.of cor.  
From the closing cor., the  $\frac{1}{2}$  mile cor.bet.the 51st and 52nd mile corrs., on the bdy., as established by Surveyor A.H.and F.M.Brown, bears as follows:  
N.57°W., 16.86 chs., to the the  $\frac{1}{2}$  mile stone,  
bet.the 51st and 52nd mile corners.  
This cor.is on top of divide ridge,, 100 ft.above  $\frac{1}{2}$  sec.cor., bears N.70°W.and S.70°E.  
Land, our talcum.

Subdivision of T 7 S. R' 5.W. -Continued

- |       |                                                                                                                                                                                                                                                                                                                       |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chs.  | Soil, gravelly loam; 2nd rate.                                                                                                                                                                                                                                                                                        |
|       | Timber, aspen.                                                                                                                                                                                                                                                                                                        |
|       | Undergrowth, sage brush.                                                                                                                                                                                                                                                                                              |
|       | Good grass for grazing.                                                                                                                                                                                                                                                                                               |
|       | Mountainous or heavily timbered land, or land covered with dense undergrowth, 52.31 chs.                                                                                                                                                                                                                              |
| <hr/> |                                                                                                                                                                                                                                                                                                                       |
|       | Note: The line bet. secs. 5 and 6, will intersect the reservation bdy., therefore, from the cor. of secs. 5, 6, 31, and 32, on N. bdy. of Tp., heretofore described,                                                                                                                                                  |
|       | I run                                                                                                                                                                                                                                                                                                                 |
|       | S. 0° 5' E., on a true line bet. secs. 5 and 6.                                                                                                                                                                                                                                                                       |
|       | Over mountainous land; through dense sage brush.                                                                                                                                                                                                                                                                      |
|       | Desc. gently.                                                                                                                                                                                                                                                                                                         |
| 18.50 | Head of hollow, 150 ft. below sec. cor., course W.                                                                                                                                                                                                                                                                    |
|       | Enter aspen timber, bears with hollow.                                                                                                                                                                                                                                                                                |
|       | Ascend.                                                                                                                                                                                                                                                                                                               |
| 22.00 | Leave timber, bears E. and W.                                                                                                                                                                                                                                                                                         |
| 36.50 | Enter heavy timber, bears N. 20° W. and S. 20° E.                                                                                                                                                                                                                                                                     |
| 40.00 | Set a sandstone, 20x12x4 ins., 15 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which<br>An aspen, 4 ins. dia., bears S. 60° E., 40<br>lks. dist., mkd. $\frac{1}{4}$ S 5 B T.                                                                                               |
|       | An aspen, 5 ins. dia., bears N. 65° W., 18 lks.<br>dist., mkd. $\frac{1}{4}$ S 6 B T.                                                                                                                                                                                                                                 |
| 75.00 | Leave heavy timber, bears E. and W.                                                                                                                                                                                                                                                                                   |
| 79.20 | Intersect South Boundary of the Uintah Indian Reservation, set a sandstone, 20x8x6 ins., 15 ins. in the ground, for closing cor. of frac. secs. 5 and 6., marked C C U I R , with 1 groove on N. and 5 grooves on E. and P L on S. faces; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. |

Subdivision of T. 7 S. R. 5 E.-Continued.

Chs.

From the closing cor. the  $\frac{1}{2}$  mile cor., bet. the 52nd and 53rd mile corners, on the bdy., as established by Deputies A.H. and F.M. Brown, bears as follows:

S.  $61^{\circ} 30' W.$ , 5.30 chs., to the  $\frac{1}{2}$  mile stone, bet. the 52nd and 53rd mile corners.

Land, mountainous. Soil, gravelly loam; 2nd rate. Timber, aspen.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 78.20 chs.

Note: The line bet. secs. 6 and 7, will intersect the Reservation bdy., therefore, from the cor. of secs. 1, 6, 7, and 12, on W. bdy. of Tp., heretofore described.

1 run

East, on a true line bet. secs. 6 and 7.

Over mountainous land; through dense undergrowth.

Descend.

24.00 Bottom of Hollow, 150 ft. below sec. cor., course N.  $20^{\circ} W.$   
Asc.

30.00 Enter heavy timber, bears N. and S.

38.80 Note: In order to place the deficiency in the western half mile, I make this  $\frac{1}{2}$  mile the length of the west half of the north bdy. of the sec. +10 lks. for convergency.

Set a sandstone, 18x9x6 ins., 11 ins. in the ground, for a sec. cor., marked  $\frac{1}{2}$  on N. face; from which

An aspen, 6 ins. dia.; bears N.  $20^{\circ} E.$ , 39 lks.

dist., mkd.  $\frac{1}{2}$  S 6 B.T.

An aspen, 7 ins. dia., bears S.  $38^{\circ} W.$ , 86 lks.

dist., mkd.  $\frac{1}{2}$  S 7 B.T.

Subdivision of T.7 S., R 5 W -Continued

divide

Chs. This cor. is on top of ridge, 150 ft. above hollow, bears N. 50° E. and S. 50° W.

Descend along side of ridge.

71.00 Top of divide ridge bet. Sower's and Argyle Canons, 50 ft. above ridge, bears N. 80° W. and S. 80° E.

Descend.

73.00 Leave timber, bears N. and S.

77.00 Intersect South Boundary of the Uintah Indian Reservation, set a sandstone, 15x10x7 ins., 10 ins. in the ground, for closing cor. of frac. secs. 6 and 7, marked C C U I R , with 1 groove on the N. and 5 grooves on E., and P. L. on S. faces; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.

From the closing cor. the  $\frac{1}{2}$  mile cor. bet. the 52nd and 53rd mile corners, on the bdy., as established by Deputies A. H. and F. L. Brown, bears as follows:

S. 61° 30' W., 3.70 chs., to the  $\frac{1}{2}$  mile stone, bet. the 52nd and 53rd mile corners.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, aspen.

Undergrowth, sage brush.

Good rass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 77.00 chs.

June 4, 1904.

---

GENERAL DESCRIPTION.

This township is high rolling mountains, and the soil is generally gravelly or sandy loam; 2nd rate.

There is some scattering aspen timber in the township.

There is quite a dense undergrowth of sage brush in the township.

Subdivision of T. 7 S. R 5 W -Concluded.

There is no water in the township.

There are no settlers in the township.

There is no mineral in the township.

There is an abundant growth of grass all over the township, affording excellent summer grazing.

*Andy J Stewart*

U.S. Deputy Surveyor.

June 4, 1904.

# OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by  
United States Deputy Surveyor, to assist in running, measuring, and  
laying the lines and corners described in the foregoing field notes of the survey of  
the tract of land described in the foregoing affidavit, and the respective capacities in which they acted:

Chairman,

For final affidavits see book "F" T. 5 S., R. 7 W., Chairman.

Moundman,

Moundman,

Armen,

Armen,

Flagman,

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

United States Deputy Surveyor, in surveying all

the particular portions of the

of the

metres,

which are represented

The foregoing field notes are fairly transcribed to the best of our knowledge and belief, well and faithfully surveyed, and the same represent the particular portions furnished by the United States Surveyor

Chairman,

For final affidavits see book "F" T. 5 S., R. 7 W., Chairman.

Moundman,

Moundman,

Armen,

Armen,

Flagman,

Subscribed and sworn to before me this

day of

Year of our Lord one thousand eight hundred and



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..... United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ..... bearing date ..... day of ..... 190 , I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ..... the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of ..... .

For final affidavits see book "W. T. S. R. Z. W."

..... of the ..... meridian, in the ..... of ..... which are represented the foregoing field notes as having been surveyed by me, and under my direction; and I do further swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and the foregoing are the original field notes of such survey.

United States Deputy Surveyor

Subscribed by said ..... and sworn to before me }  
this ..... day of ..... , 190 }



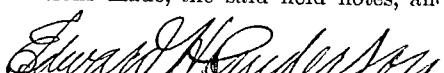
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 18, 1903.

The foregoing field notes of the survey of Subdivision of Township No. 7 South Range No. 5 West, of the Uintah Special Base and Meridian, Utah.

executed by John R. Stewart and Andy J. Stewart, their under his contract No. 271, dated July 22, 1903, 190 , having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

  
John R. Stewart  
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in ..... has been correctly copied from the original notes on file in this office.

**BLANK**

**PAGE**

**BLANK**

**PAGE**

FILED

SEP 1 1904  
*W.H.B.*

BOOK A-308

# FIELD NOTES

OF THE SURVEY OF THE  
SOUTH AND WEST BOUNDARIES

Township No. 5 South, Range No. 7 West

Of the UNTAH SPECIAL BASE AND Meridian,  
STATE OF UTAH

AS SURVEYED BY

John R. Stewart and Andy J. Stewart, United States Deputy Surveyors

Under their Contract No. 271, dated July 22, 1904, #89X

Survey commenced May 25, 1904, #89XX

Survey completed May 28, 1904., #89X

8-161

high  
J. Bdy 5.78.19  
W. J. 5.79.00 do  
close 15.45

NAMES AND DUTIES OF ASSISTANTS.

J. F. H. <i>Hugh</i>	Chairman
John H. Kienke	Chairman
Harvey R. Booth	Manager
Elmer A. Jacobs	Manager
George T. Littleley	Assistant
Bert Carter	Assistant
Arthur H. Harris	Editor

D. 75 374

For preliminary affidavits see book "D" T. S., P. 511

6-151

Volume

#

R0308

BOOK A-308

INDEX DIAGRAM.

Township 5 South, Range 7 West.

16	6	5	4	3	2	1
14	7	8	9	10	11	12
13	18	17	16	15	14	13
12	19	20	21	22	23	24
11	30	29	28	27	26	25
9	31	32	33	34	35	36
	8	7	6	4	3	2

Meanders Page

## PRELIMINARY OATHS OF ASSISTANTS.

WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of \_\_\_\_\_

\_\_\_\_\_, Chainman

\_\_\_\_\_, Chainman

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 189 }



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

\_\_\_\_\_, Moundman

\_\_\_\_\_, Moundman

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 189 }



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey

\_\_\_\_\_, Axman

\_\_\_\_\_, Axman

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 189 }



I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Flagma

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 189 }



South boundary of T.5 S., R.7 W.

Survey commenced May 25, 1904, and executed with a W. and L.E. Gurley light mountain transit, No. - , with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs:

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on Aug. 21, 1903.

I examine the adjustments of the instrument and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a mer. established by obsn. on Pol., I proceed as follows:

At the cor. of Tps. 5 and 6 S., Rs. 6 and 7 W., latitude  $40^{\circ}00'15''$  N., longitude  $110^{\circ}39'31''$  W., I set off  $40^{\circ}00'$  N., on the lat. arc;  $21^{\circ}2'N.$ , on the decl. arc; and at 5 h 0 m p.m., l.m.t., I determine a mer. with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

May 25, 1904.

---

May 26, 1904: At 3 h 10 m a.m., l.m.t., I obs. Pol. at eastern elong. in accordance with the Manual, and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs. N. of the cor.

At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Pol.  $1^{\circ}34.4'$  to the west, and mark a point in the mer. thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.39 ins. east of the mer. established by obsn. on Pol.

At 7 h 2 m a.m., l.m.t., I set off  $40^{\circ}00'$  N., on the lat. arc;  $21^{\circ}8'N.$ , on the decl. arc; and mark the mer. determined with

South boundary of T.5 S., R.7 W.-Continued.

Chs.,... the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.35 ins. east of the mer. established by Pol. obsn. The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about 0°21' west and 0°18' East of the mer. established by Pol. obsn.; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the mer. at 7 h 30 m a.m., is N. 16° 36' W., the angle thus determined gives the mag. decl. 16° 36' E.

From the cor. of Tps. 5 and 6 S., Rs. 6 and 7 W., heretofore described.

I run

West, on a true line bet. sec's. 1 and 36.

Over mountainous land; through heavy timber.

Asc.

10.00 Top of ridge, 250 ft. above Tp., cor., bears N. and S.

Desc.

30.00 Head of Canon, 500 ft. below ridge, course SE.

Asc.

40.00 A red pine, 16 ins. dia., for  $\frac{1}{4}$  sec. cor., I mark  $\frac{1}{4}$  S 36 on N., and 1 on S. sides; from which

A red pine, 20 ins. dia., bears N. 5° E., 30 lks.  
dist. mkd.  $\frac{1}{4}$  S 36 B T.

A red pine, 14 ins. dia., bears S. 2° E., 23 lks.  
dist. mkd.  $\frac{1}{4}$  S 1 B T.

42.00 Top of ridge, divide bet. Indian Canon and left hand fork of Indian Canon, 500 ft. above canon, bears N. 60° E. and S. 30° W.

Desc.

68.00 Bottom of canon, 1000 below ridge, course N.

South Boundary of T. 5 S., R. 7 W.--Continued.

Chs	Asc.
80.00	Point 600 ft. above canon. Set a sandstone, 16x12x4 ins., 11 ins. in the ground, for cor. of secs. 1, 2, 35, and 36, mkd. with 1 notch on E. and 5 notches on W. edges; from which A pinon pine, 12 ins. dia., bears N. 10° E., 160 lks. dist. mkd. T 5 S R 7 W S 36 B T. No other trees within limits; raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, mountainous. Soil, gravelly loam; 2nd rate. Timber, pinon pine, red pine and cedar. Good grass for grazing. Mountainous or heavily timbered land, 80.00 chs.
	West, on a true line bet. secs. 2 and 35. Over mountainous land; through scattering timber. Asc.
14.00	Top of ridge, 400 ft. above sec. cor., bears N. and S. Desc. abruptly.
35.00	Bottom of canon, 800 ft. below ridge, course N. 20° E. Asc. abruptly.
40.00	Set a sandstone, 16x16x6 ins., 12 ins. in the ground, for 2 sec. cor.. mkd. 2 on N. face; from which A pinon pine, 6 ins. dia., bears N. 50° E., 35 lks. dist. mkd. 2 S 35 B T. A pinon pine, 8 ins. dia., bears S. 50° W., 67 lks. dist. mkd. 2 S 2 B T.
60.00	Top of ridge, 800 ft. above canon, bears N. and S. Desc.
72.00	Bottom of hollow, 200 ft. below ridge, course N. Asc.

South boundary of T. 5 S., R. 7 W -Continued.

Chs.	
80.00	<p>Top of ridge, 150 ft. above hollow, bears N. 10° E. and S. 10° W.</p> <p>Set a sandstone, 14x9x4 ins., 9 ins. in the ground, for cor. of secs. 2, 3, 34, and 35, mkd. with 2 notches on E. and 4 notches on W. edges; from which</p> <ul style="list-style-type: none"> <li>A pinon pine, 5 ins. dia., bears N. 15° E., 40 lks. dist.. mkd. T 5 S R 7 W S 35 B T.</li> <li>A pinon pine, 8 ins. dia., bears S. 10° E., 30 lks. dist.. mkd. T 6 S R 7 W S 2 B T.</li> <li>A red pine, 6 ins. dia., bears S. 20° W., 35 lks. dist.. mkd. T 6 S R 7 W S 3 B T.</li> <li>A pinon pine, 10 ins. dia., bears N. 45° W., 25 lks. dist.. mkd. T 5 S R 7 W S 34 B T.</li> </ul> <p>Land, mountainous.</p> <p>Soil, white clay and gravelly; 3rd rate.</p> <p>Timber, pinon pine and red pine.</p> <p>Good grass for grazing.</p> <p>Mountainous land, 80.00 chs.</p>
	<p>West, on a true line bet. secs. 3 and 34.</p> <p>Over mountainous land; through scattering timber and scattering undergrowth.</p> <p>Desc.</p>
13.00	<p>Foot of descent, enter bottom of Indian Canon, 400 ft. below sec. cor., bears NE and SW.</p> <p>Leave timber and enter dense undergrowth, bears NE and SW.</p>
14.00	Leave greasewoods and enter willows, bears NE and SW.
14.50	Creek, 5 lks. wide, 5 ins. deep, course NE.
15.00	Leave willows and enter greasewoods, bears NE and SW. Colton-Vernal
17.75	Road in canon, bears NE and SW.
23.00	Leave canon, and begin steep ascent, bears NE and SW.

South boundary of T. 5 S. R. 7 W.-Continued.

- Obs. Leave undergrowth and enter scattering timber, bears NE and SW.
- 40.00 Set a sandstone, 15x10x4 ins., 10 ins. in the ground, for sec. cor., mkd.  $\frac{1}{4}$  on N. face; from which  
 A pinon pine, 3 ins. dia., bears N. 30° E., 30 lks.  
 dist., mkd.  $\frac{1}{4}$  S 34 B T.  
 A pinon pine, 10 ins. dia., bears S. 10° E., 50 lks.  
 dist., mkd.  $\frac{1}{4}$  S 3 B T.  
 Enter heavy timber, bears N. and S.
- 58.50 Top of ridge, 1000 ft. above canon, bears NE and SW.  
 Leave heavy and enter scattering timber, bears with ridge.  
 Desc.
- 70.00 Bottom of hollow, 150 ft below ridge, course N. 60° E.  
 Asc.
- 80.00 Set a sandstone, 14x10x7 ins., 9 ins. in the ground, for cor. of secs. 3, 4, 33, and 34, mkd. with 3 notches on E., and W. edges; from which  
 A pinon pine, 16 ins. dia., bears N. 1° E., 60 lks.  
 dist., mkd. T 5 S E 7 W S 34 B T.  
 A pinon pine, 10 ins. dia., bears S. 24° E., 80 lks.  
 dist., mkd. T 6 S E 7 W S 3 B T.  
 A pinon pine, 16 ins. dia., bears S. 31° W., 28 lks.  
 dist., mkd. T 6 S E 7 W S 4 B T.  
 A pinon pine, 14 ins. dia., bears N. 24° W., 50 lks. dist., mkd. T 5 S E 7 W S 33 B T.  
 Land, mountainous, and level.  
 Soil, gravelly loam, white clay and rocky; 2nd 3rd and 4th rate.  
 Timber, pinon pine and cedar.  
 Undergrowth, sage brush, greasewoods, and willows.  
 Good grass for grazing.  
 Mountainous or heavily timbered land, 80.00 chrs.  
 Lay 26, 1904: At this cor. I set off  $2^{\circ} 10' N.$ , on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the

South boundary of T. 5 S., R. 7 W.-Continued.

Chs.	mer; the resulting lat. is 40° 00' N., which is the proper lat. nearly.
	West, on a true line bet. secs. 4 and 33.
	Over mountainous land; through heavy timber.
	Asc.
18.00	Top of divide ridge bet. Lake and Indian Canons, 500 ft. above sec. cor., bears NE and SW.
	Leave timber, bears NE and SW.
	Desc.
30.00	Enter scattering timber, bears NE and SW.
40.00	Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\pm$ on N. face; from which
	A pinon pine, 20 ins. dia., bears N. 10° E., 40 lks. dist.. mkd. $\pm$ S 33 B T.
	A red pine, 12 ins. dia., bears S. 20° W., 125 lks. dist.. mkd. $\pm$ S. 4 B T..
49.00	Bottom of canon, 900 ft. below ridge, course N.
	Asc.
54.00	Top of spur, 150 ft. above canon, bears N. and S.
	Desc.
58.50	Bottom of hollow, 100 ft. below ridge, course N. 20° E.
	Asc.
78.00	Top of ridge, 800 ft. above hollow, bears N. and S.
	Desc.
80.00	Set a shalestone, 24x18x3 ins., 18 ins. in the ground, for cor. of secs. 4, 5, 32, and 33, mkd. with 4 notches on E. and 2 notches on W. edges; from which
	A red pine, 10 ins. dia. bears S. 60° E., 120 lks. dist.. mkd. T 6 S E. 7 W S 4 B T.
	A red pine, 12 ins. dia., bears S. 30° W., 60 lks. dist.. mkd. T 6 S E. 7 W S 5 B T.

South boundary of T 5 S R 7 W -Continued.

- Chs. No other trees within limits; dig pits, 18x18x12 ins., in secs. 32 and 33, 5 ft. dist; and raise a mound of earth, 5 ft. base, 1 ft. high, N. or cor.
- Land, mountainous.
- Soil, gravelly and white clay; 3rd rate.
- Timber, pinon pine and red pine.
- Mountainous or heavily timbered land, 80.00 chs.
- 
- West, on a true line bet. secs. 5 and 32.
- Over mountainous land; through scattering timber.
- Desc. abruptly.
- 10.00 Enter heavy timber, bears N. and S.
- 40.00 Set a limestone, 20x12x4 ins., 15 ins. in the ground, for  $\frac{1}{4}$  sec. cor.. mka.  $\frac{1}{4}$  on N. face; from which
- .. pinon pine, 12 ins. dia., bears N.  $75^{\circ}$  E., 200 lks.  
dist.. mka.  $\frac{1}{4}$  S 32 B T.
- .. pinon pine, 6 ins. dia. bears S.  $55^{\circ}$  E., 225 lks.  
dist.. mka.  $\frac{1}{4}$  S 5 B T.
- 41.00 Bottom of canon, 800 ft. below sec. cor., course N. Asc.
- 41.25 Leave timber, bears N. and S.
- 45.00 Enter heavy timber, bears N. and S.
- 67.00 Top of ridge, 800 ft. above canon, bears N. and S.
- Desc.
- 80.00 Point 400 ft. below ridge.,
- Set a sandstone, 14x10x5 ins., 9 ins. in the ground, for cor. or secs. 5, 6, 31, and 32, mka. with 5 notches on E. and 1 notch on W. edges; from which
- .. pinon pine, 6 ins. dia., bears N.  $45^{\circ}$  E., 45 lks.  
dist.. mka. T 5 S R 7 W S 32 B T.
- .. red pine, 15 ins. dia., bears S.  $17^{\circ}$  E., 36 lks.  
dist.. mka. T 6 S R 7 W S 6 B T.
- .. pinon pine, 14 ins. dia., bears S.  $9^{\circ}$  W., 38 lks.  
dist.. mka. T 6 S R 7 W S 6 B T.

South boundary of T.8 S. R.7 W.-Continued.

Chs.	A pinon pine, 8 ins. dia., bears N.55°E., 25 lks. dist., mkd. T 5 S R.7 T S 31 B T.
	Land, mountainous.
	Soil, gravelly and white clay; ord rate.
	Timber, pinon pine and red pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00' chs.

May 26, 1904.

May 27, 1904: At 7 h 2 m a.m., l.m.t., I set ori  $40^{\circ}00'N.$ , on the lat. arc;  $21^{\circ}19'N.$ , on the decl. arc; and determine a mer. with the solar at the cor. of secs. 5, 6, 31, and 32.

Thence I run

West, on a true line bet. secs. 6 and 31.

Over mountainous land; through heavy timber.

Desc.

2.50 Bottom of hollow, 50 ft. below sec. cor., course NW.  
Asc.

8.00 Top of spur, 160 ft. above hollow, bears NW and SE.  
Desc.

21.75 Bottom of canon, 800 ft. below spur, course N.  $20^{\circ}$  E.  
There is a spring in this canon about 20.00 chs. N.  $20^{\circ}$  E.  
not seen fr. m line.

Asc.

40.00 Set a sandstone, 18x8x4 ins., 12 ins. in the ground, for  
sec. cor.. mkd. t on N. face; from which

A pinon pine, 14 ins. dia., bears N.  $45^{\circ}$  E., 100 lks.  
dist., mkd. S 31 B T.

A pinon pine, 10 ins. dia., bears S.  $20^{\circ}$  E., 50 lks.  
dist., mkd. S 6 B T.

52.40 Top of ridge, 1000 ft. above canon, bears N.  $30^{\circ}$  E. and S.  $30^{\circ}$

South boundary of T. 5 S. R. 7 W. -Continued.

Chs.	Desc.
78.18	Allowing for convergency of Meridian. Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for cor. of Tps. 5 and 6 S., Rs. 7 and 8 W., mkd. with 6 notches on each edge; from which
	A red pine, 8 ins. dia., bears N. $20^{\circ}$ E., 90 lks. dist., mka. T 5 S R 7 W S 31 B T.
	A red pine, 10 ins. dia., bears S. $15^{\circ}$ E., 156 lks. dist., mka. T 6 S R 7 W S 6 B T.
	A red pine, 14 ins. dia., bears S. $68^{\circ}$ E., 400 lks. dist., mka. T 6 S R 8 W S 1 B T.
	A piñon pine, 20 ins. dia., bears N. $80^{\circ}$ W., 450 lks. dist., mka. T 5 S R 8 W S 36 B T.
	Land, mountainous.
	Soil, white clay and gravelly; 3rd rate.
	Timber, piñon pine, red pine, and cedar.
	Good grass for grazing.
	Mountainous or heavily timbered land, 78.18 chs.

West boundary of T. 5 S., R. 7 W.

From the cor. of Tps. 5 and 6 S., Rs. 7 and 8 W., just  
described,

I run

North, bet. secn. 31 and 36.

Over mountainous land; through scattering timber and  
scattering undergrowth.

West boundary of T 5 S. R. 7 W.-Continued.

Chs.	Desc.
8.00	Bottom of canon, 250 ft. below Tp. cor. course N. 20° E. Asc.
16.00	Top of ridge, 150 ft. above canon, bears NE and SW. Desc.
22.00	Foot of descent, 250 ft. below ridge, bears N. 60° E. and S. 60° W. Enter bottom of Lake Canon. Leave timber and enter dense greasewoods, bears N. 60° E. and S. 60° W.
32.00	Leave canon bottom, bears N. 60° E. and S. 60° W. Leave undergrowth and enter scattering timber, bears N. 60° E. and S. 60° W. Asc.
37.75	Enter ledges, bears E. and W.
40.00	Leave ledges, bears E. and W. Set a sandstone, 16x12x4 ins., 11 ins. in the ground, for $\frac{1}{2}$ sec. cor.. mkd. $\frac{1}{4}$ on W. face; from which A pinon pine, 6 ins. dia., bears N. 75° E., 35 lks. dist.. mkd. $\frac{1}{4}$ S 31 B T. A pinon pine, 10 ins. dia., bears N. 35° W., 60 lks. dist.. mkd. $\frac{1}{4}$ S 36 B T.
69.10	Top of divide bet. Lake and Sam's Canons, 1500 ft. above canon, bears NE and SW. Desc.
80.00	Set a sandstone, 16x10x6 ins., 11 ins. in the ground, for cor. of secs. 25, 30, 31, and 36, mkd. with 5 notches on N. and 1 notch on S. edges; from which A red pine, 6 ins. dia., bears N. 30° E., 110 lks. dist.. mkd. T 5 S R 7 W S 30 B T. A red pine, 8 ins. dia., bears S. 50° E., 100 lks. dist.. mkd. T 5 S R 7 W S 31 B T. A red pine, 10 ins. dia., bears N. 20° W., 200 lks. dist.. mkd. T 5 S R 8 W S 25 B T. No other trees within limits; dig a pit, 18x18x12 ins. in

West boundary of T. 5 S., R. 7 W.-Continued.

Obs. sec. 30.5<sup>1</sup> ft. dist; and raise a mound of earth, 3<sup>1</sup>/<sub>2</sub> ft. base, 1<sup>1</sup>/<sub>2</sub> ft. high, W. of cor.

Land, mountainous and level.

Soil, gravelly and white clay; 3rd rate.

Timber, pine.

Undergrowth, sage brush and greasewoods.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth  
60.00 chs.

May 27, 1904: At this cor. I set off 21° 20' N., on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is 40° 01' N., which is the proper lat. nearly.

North, bet. secs. 25 and 30.

Over mountainous land; through scattering deer brush and service berry brush.

Desc. along side of ridge.

2.00 Enter heavy timber, bears NW and SE.

7.00 Leave heavy and enter scattering timber, bears NW and SE.

30.00 Enter heavy timber, bears E. and W.

40.00 Set a shalestone, 18x14x5 ins., 12 ins. in the ground, for sec.cor.. mkd. on W. face; from which

A pinon pine, 8 ins. dia., bears S. 10° E., 122 lks.  
dist.. mkd. S 30 B T.

A pinon pine, 10 ins. dia., bears N. 60° W., 138  
lks. dist.. mkd. S 25 B T.

43.00 Top of ridge, 500 ft. below sec.cor., bears N. 10° W. and S. 10° E.

Desc. along east side of ridge.

80.00 Set a sandstone, 16x12x5 ins., 11 ins. in the ground, for cor. of secs. 19, 24, 25, and 30, mkd. with 4 notches on N. and 2 notches on S. edges; from which

A pinon pine, 8 ins. dia., bears N. 60° E., 35 lks.

West boundary of T 5 S R 7 W -Continued

- |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chs. | dist.. m.kd.T 5 S R 7 W S 19 B T.<br>A pinon pine, 5 ins.dia., bears S.30° E., 45 lks.<br>dist.. m.kd.T 5 S R 7 W S 30 B T.<br>A pinon pine, 10 ins.dia., bears S.40° W., 55 lks.<br>dist.. m.kd.T 5 S R 8 W S 25 B T.<br>A pinon pine, 5 ins.dia., bears N.20° W., 50 lks.<br>dist. m.kd.T 5 S R 8 W S 24 B T.<br><br>Land, mountainous.<br>Soil, gravelly and white clay; 3rd rate.<br>Timber, pinon pine and red pine.<br>Undergrowth, service berry and deer brush.<br>Good grass for grazing.<br>Mountainous or heavily timbered land, 80.00 chs. |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

May 27, 1904.

May 28, 1904: At 7 h 2 m a.m., l.m.t., I set off 40° 02' N., on the lat.arc; 21° 28' N., on the decl.arc; and determine a mer. with the solar, at the cor.of secs. 19 , 24, 25, and 30.

Thence I run

North, bet.secs. 19 and 24.

Over mountainous land, through heavy timber.

Desc.along side of ridge.

13.00 Leave timber, bears E.and W.

Enter dense undergrowth, bears E.and W.

17.00 Foot of steep descent, 200 ft. below sec.cor., bears N.20° E.  
And S.20° W.

Enter Sam's Canon.

28.00 Trail, bears N.20° E.and S.20° W.

35.00 Leave canon bottom, bears N.20° E.and S.20° W.

Leave undergrowth and enter heavy timber, bears E.and W.

West boundary of T.5 S., R.7 W.-Continued.

Chs.	Asc. abruptly.
40.00	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for 1/2 sec.cor.. mkd. $\frac{1}{4}$ on N. face; from which A pinon pine 16 ins. dia., bears S. 40° E., 46 lks. dist.. mkd. $\frac{1}{4}$ S 19 B T. A pinon pine, 12 ins. dia., bears S. 40° W., 30 lks. dist.. mkd. $\frac{1}{4}$ S 24 B T.
80.00	Point 800 ft. above canon, Set a sandstone, 16x8x8 ins., 11 ins. in the ground, for cor. of secs. 13, 18, 19, and 24, mkd. with 3 notches on N. and S. edges; from which A pinon pine, 16 ins. dia., bears N. 28° E., 135 lks. dist.. mkd. T 5 S R 7 W S 18 B T. A red pine, 24 ins. dia., bears S. 40° 30' E., 76 lks. dist.. mkd. T 5 S R 7 W S 19 B T. A pinon pine, 20 ins. dia., bears S. 72° 30' W., 112 lks: dist.. mkd. T 5 S R 8 W S 24 B T. A pinon pine, 16 ins. dia., bears N. 27° W., 124 lks. dist.. mkd. T 5 S R 8 W S 13 B T.
	Land, mountainous and level. Soil, gravelly loam and white clay; 2nd and 3rd rate. Timber, pinon pine and red pine.. Undergrowth, deer and service berry brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
3.50	North, bet. secs. 13 and 18.. Over mountainous land; through heavy timber. Asc. Top of ridge, 50 ft. above sec.cor., bears NE and SW. Leave heavy timber and enter scattering timber and scattering undergrowth, bears with ridge.

West boundary of T.5 S., R.7 W.-Continued.

Chs.	Desc.
26.00	Bottom of canon, 800 ft. below ridge, course N.80° E. Asc.
46.00	Set a sandstone, 28x8x4 ins., 21 ins. in the ground, for sec.cor..mkd. $\frac{1}{2}$ on W. face; from which A pinon pine, 14 ins. dia., bears S.60° E., 65 lks. dist..mkd. $\frac{1}{2}$ S 18 B T. A pinon pine, 14 ins. dia., bears N.50° W., 75 lks. dist..mkd. $\frac{1}{2}$ S 13 B T.
61.70	Top of ridge, 800 ft. above canon, bears E. and W. Desc.
80.00	Set a sandstone, 14x9x6 ins., 9 ins. in the ground, for cor.of secs. 7, 12, 13, and 18, mkd. with 2 notches on N. and 4 notches on S.edges; from which A pinon pine, 12 ins. dia.; bears N.25° E., 150 lks. dist..mkd.T 5 S R 7 W S 7 B T. A red pine, 15 ins. dia., bears S.40° E., 300 lks. dist..mkd.T 5 S R 7 W S 18 B T. A pinon pine, 8 ins. dia. bears S.45° W., 200 lks. dist..mkd.T 5 S R 8 W S 13 B T. A pinon pine, 7 ins. dia., bears N.80° W., 25 lks. dist..mkd.T 5 S R 8 W S 12 B T.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, pinon pine and red pine.
	Undergrowth, service berry and deer brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs. May 28, 1904 At this cor. I set off 21° 30' N., on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is 46° 04' N., which is the proper lat. nearly.
	North, bet. secs. 7 and 12.

West boundary of T. 5 S. R. 7 W.-Continued.

Chs.	Over mountainous land; through scattering timber and scattering undergrowth.
	Desc.
2.00	Bottom of hollow, 20 ft. below sec.cor., course E. Asc.
30.00	Top of ridge, 700 ft. above hollow, bears E. and W. Desc.
37.40	Bottom of hollow, 400 ft. below ridge, course E. Asc.
40.00	Set a sandstone, 14x12x8 ins., 8 ins. in the ground, for sec.cor.. mkd. $\frac{1}{2}$ on W. face; from which A balsam, 10 ins. dia., bears S. 60° E., 110 lks. dist.. mkd. $\frac{1}{2}$ S 7 B T. A pinon pine, 12 ins. dia., bears N. 45° W., 160 lks. dist.. mkd. $\frac{1}{2}$ S 12 B T..
51.50	Top of ridge, 450 ft. above hollow, bears N. 60° E. and S. 60° W. Desc.
75.50	Bottom of canon, 800 ft. below ridge, course N. 80° E. Asc.
80.00	Set a sandstone, 16x10x5 ins., 11 ins. in the ground, for cor. of secs. 1, 6, 7, and 12, mkd. with 5 notches on S. and 1 notch on N. edges; from which A pinon pine, 7 ins. dia., bears N. 45° E., 75 lks. dist.. mkd. T 5 S R 7 W S 6 B T. A pinon pine, 6 ins. dia., bears S. 80° E., 70 lks. dist.. mkd. T 5 S R 7 W S 7 B T. A pinon pine, 8 ins. dia., bears S. 70° W., 40 lks. dist.. mkd. T 5 S R 8 W S 12 B T. A pinon pine, 10 ins. dia., bears N. 40° W., 34 lks. dist.. mkd. T 5 S R 8 W S 1 B T.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, pinon pine and red pine.
	Undergrowth, service berry and deer brush.

West boundary of T.5 S., R.7 W.-Continued...

- |       |                                                                                                                                                                                                                                            |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chs.  | Good grass for grazing. Mountainous land, 80.00 chs.                                                                                                                                                                                       |
|       | North, bet. secs. 1 and 6. Over mountainous land; through scattering timber and scattering undergrowth:                                                                                                                                    |
|       | Asc.                                                                                                                                                                                                                                       |
| 12.50 | Top of ridge, 600 ft. above sec. cor., bears E. and W.                                                                                                                                                                                     |
|       | Desc.                                                                                                                                                                                                                                      |
| 21.50 | Bottom of canon, 600 ft. below ridge, course E.                                                                                                                                                                                            |
|       | Asc.                                                                                                                                                                                                                                       |
| 40.00 | Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for sec. cor.. mkd. $\frac{1}{2}$ on W. face; from which                                                                                                                             |
|       | A pinon pine, 6 ins. dia., bears W., 35 lks.<br>dist. mkd. $\frac{1}{2}$ S 1 B T.                                                                                                                                                          |
|       | A balsam, 3 ins. dia., bears S. 80° E., 30 lks.<br>dist. mkd. $\frac{1}{2}$ S 6 B T.                                                                                                                                                       |
| 45.75 | Top of ridge, 700 ft. above hollow, bears E. and W.                                                                                                                                                                                        |
|       | Desc.                                                                                                                                                                                                                                      |
| 50.75 | Head of hollow, 100 ft. below ridge, course E.                                                                                                                                                                                             |
|       | Asc.                                                                                                                                                                                                                                       |
| 64.00 | Top of divide ridge bet. Sam's and Avintaquin Canons, 100 ft. above hollow, bears N. 30° E. and S. 30° W.                                                                                                                                  |
|       | Desc.                                                                                                                                                                                                                                      |
| 79.00 | Intersect 1st Standard Parallel, South, 15.45 chs. East of the Standard Cor. or Tps. 4 S., Rs. 7 and 8 W., which is a sandstone, 5x8x8 ins., above ground, firmly set and marked and witnessed as described by Deputies Stewart and Booth. |
|       | Set a sandstone, 18x12x12 ins., 12 ins. in the ground, for closing cor. or Tps., 5 S., Rs. 7 and 8 W., mkd. C.C 5 S on S., 7 W on E. and 8 W. on W. with 6 grooves on E., S., and W., faces; from which                                    |

West boundary of T 5 S R 7 W Concluded.

Chs. A pinon pine, 18 ins. dia., bears S. 70° E., 200 lks.  
dist.. mkd. T 5 S. R 7 W S 6 B T.  
A pinon pine, 8 ins. dia., bears S. 75° W., 225 lks.  
dist.. mkd. T 5 S R 8 W S 1 B T.

Land, mountainous.  
Soil, gravelly and white clay; 3rd rate.  
Timber, pinon pine and red pine.  
Undergrowth, sage brush, service berry and deer brush.  
Good grass for grazing.  
Mountainous land, 79.00 chs.

May 26, 1904.

Boundaries of T. 5 S., R. 7 W.

Latitudes, departures, and closing errors.

Line designated	Course	Dist- ance	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
W.bdy.T.5 S.,R.7 W.	North	479.00	478.00			
1st Standard Par.S.	East	478.90			478.90	
E.bdy.T.5 S.,R.7 W.	South	478.98		478.98		
S.bdy.T.5 S.,R.7 W.	West	476.19				476.19
Convergancy					.61	
Totals			478.00	478.98	479.11	478.19
Error in lat.			478.98		478.19	
Error in dep.			.02			.92

General Description.

This township is very high and rough. Well timbered and well watered. It should be subdivided.

May 26, 1904.

*Andy J. Stump*  
U.S. Deputy Surveyor.

**BLANK**

**PAGE**

# FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by Andy J. Stewart and John R. Stewart, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Hubby, J. T. R. 5th, St. and 2d. Edre, J. 6d., R. 6th; and S. and 2d. Edre, J. 5d., R. 7th, of the Utah Special Base and Meridian. Maki wing the respective capacities in which they acted:

Frank H. Hoyt, Chainman.  
John H. Kienke, Chainman.  
Harry R. Booth, Moundman.  
Elmer C. Jacobs, Moundman.  
George T. Littley, Axman.  
Bert Carter, Axman.  
Arthur Harris, Flagman.

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andy J. Stewart, United States Deputy Surveyor, in surveying all those parts or portions of the Hubby, J. 7d., R. 5th; St. and 2d. Edre, J. 6d., R. 6th; and S. and 2d. Edre, J. 5d., R. 7th, of the Utah Special Base and

of the meridian, State of Utah, which are represented the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Frank Hoyt, Chainman.  
John H. Kienke, Chainman.  
Harry R. Booth, Moundman.  
Elmer C. Jacobs, Moundman.  
George T. Littley, Axman.  
Bert Carter, Axman.  
Arthur Harris, Flagman.

Subscribed and sworn to before me this 1<sup>st</sup> day of August 1904, 189-

RECEIVED  
U.S. DEPT. OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
UTAH FIELD OFFICE

Andy J. Stewart  
U.S. Dep't. of the Interior  
Utah Field Office

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Andy J. Stewart, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Edward M. Madsen, United States Surveyor General for Utah, bearing date of July 22nd, day of July, 1903, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the S. bdy. T. 7 d., R. 5, S. and N. bds. T. 6 d., R. 6 W.; and S. and W. bds. T. 5 d., R. 7 W.

Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Andy J. Stewart  
United States Deputy Surveyor

Subscribed by said Andy J. Stewart, and sworn to before me  
this 1st day of September, 1903.



Edward M. Madsen  
U.S. Surveyor General  
for Utah

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 18, 1903.

The foregoing field notes of the survey of South and West Boundaries of Township No. 5 South, Range 7 West, of the Uintah Special Base and Meridian, Utah.

executed by John R. Stewart and Andy J. Stewart,  
under his contract No. 271, dated July 22, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward M. Madsen  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

**BLANK**

**PAGE**

---

**BLANK**

**PAGE**

BOOK A-308 FILED AUG 25 1904.

FILED

AUG 25 1904

## FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 6 South, Range No. 6 West.

Of the Uintah Special Base and Meridian,  
 State of Utah.

AS SURVEYED BY

R. Stewart and Andy J. Stewart, United States Deputy Surveyor,  
 their under his Contract No. 271, dated July 22, 1903, 190  
 survey commenced June 5, 1904, 190  
 survey completed June 16, 1904, 190

High 59-45-37  
 low 35-00

6-161

**NAMES AND DUTIES OF ASSISTANTS.**

J. Frank Hoyt, ..... Chainman

John H. Kienke, ..... Chainmsn

Harvey R. Booth, ..... Moundman

Elmer A. Jacobs ..... Moundman

George T. Littley, ..... Axman

Bert Carter, ..... Axman

Arthur Harris, ..... Flagman

For preliminary affidavits see book "R" T. 6 S., R. 3 W.

BOOK A-302

INDEX DIAGRAM.

*Township*....., *Range*.....

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

*Meanders Page*.....

**PRELIMINARY OATHS OF ASSISTANTS.**

WE, \_\_\_\_\_, and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

\_\_\_\_\_, Chainman

\_\_\_\_\_, Chainman

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 1900 }  
\_\_\_\_\_  


WE, \_\_\_\_\_, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

\_\_\_\_\_, Moundman

\_\_\_\_\_, Moundman

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 1900 }  
\_\_\_\_\_  


WE, \_\_\_\_\_, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey

\_\_\_\_\_, Axeman

\_\_\_\_\_, Axeman

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 1900 }  
\_\_\_\_\_  


I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Flagman

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 1900 }  
\_\_\_\_\_  


Subdivision of T.6 S., R.6 W.

Survey commenced June 5, 1904, and executed with a W. and L.E. Gurley light mountain transit, No. -, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the mer. at Salt Lake City, found correct, and was approved by the surveyor general for Utah on August 21, 1903.

I examine the adjustments of the instrument and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a mer. established by Pol. obsn., I proceed as follows:

At the cor. of sec. 1, 2, 35, and 36, on S. bdy. of Tp., heretofore described, latitude  $39^{\circ} 55' 01''$  N., longitude  $110^{\circ} 33' 52''$  W., I set off  $39^{\circ} 55' 01''$  N., on the lat. arc;  $22^{\circ} 37'$  N., on the decl. arc; and at 5 h 2 m p.m., l.m.t., I determine a mer. with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

June 5, 1904.

---

June 6, 1904; At 2 h 31 m a.m., l.m.t., I obs. Pol. at eastern elong. in accordance with the Manual, and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs. N. of the cor.

At 6 h 33 m a.m., l.m.t., I lay off the azimuth of Pol. 1°  $34.4'$  to the west and mark the mer. thus determined, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.29 ins. east of the mark determined with the solar.

At 7 h 1 m a.m., l.m.t., I set off  $39^{\circ} 55' 01''$  N., on the lat. arc;  $22^{\circ} 40'$  N., on the decl. arc; and mark the meridian determined

Subdivision of T 6 S R 6 W -Continued

Chs. with the solar, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.31 ins. east of the meridian established by Pol. obsn.: The solar apparatus by p.m. and a.m. observations defines positions for meridians, respectively about 0'16" west and 0'17" east of the mer. established by Pol. obsn.; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 7 h 30 m a.m., is N. 16° 35' W., the angle thus determined gives the mag. decl. 16° 35' E.

---

From the cor. of secs. 1, 2, 35, and 36, on S. bdy. of Tp., heretofore described.

Line 1 run  
N. 0° 1' W. bet secs. 35 and 36.  
Over mountainous land; through heavy timber.  
Desc.  
3.00 Bottom or hollow, 50 ft. below sec. cor., course NW.  
Asc.  
23.00 Top of ridge, 250 ft. above hollow, bears N. 30° W. and S. 30° E.  
Leave timber, bears N. 30° W. and S. 30° E.  
Desc..  
40.00 Set a sandstone, 16x10x4 ins., 10 ins. in the ground, for  
sec. cor.. mkd.  $\frac{1}{4}$  on W. race; from which  
A balsam, 5 ins. dia., bears N. 45° E., 75 lks.  
dist., mkd.  $\frac{1}{4}$  S 36 B.T.  
A balsam, 7 ins. dia., bears N. 60° W., 20 lks.  
dist., mkd.  $\frac{1}{4}$  S 36 B.T.  
Enter heavy timber, bears NE and SW.  
80.00 Set a sandstone, 16x10x4 ins., 11 ins. in the ground, for  
cor. of secs. 25, 26, 35, and 36, mkd. with 1 notch on S. and

Subdivision of T. 6 S., R. 6 W.-Continued.

Chs.	<p>1 notch on E. edges; from which</p> <p>A pinon pine, 10 ins. dia., bears N. 60° E., 240 lbs. dist., mkd. T 6 S R 6 W S 25 B T.</p> <p>A pinon pine, 12 ins. diam., bears S. 65° E., 360 lbs. dist., mkd. T 6 S R 6 W S 36 B T.</p> <p>A balsam, 14 ins. dia., bears S. 30° W., 40 lbs. dist., mkd. T 6 S R 6 W S 35 B T.</p> <p>A balsam, 14 ins. dia., bears N. 60° W., 25 lbs. dist., mkd. T 6 S R 6 W S 26 B T.</p> <p>Land, mountainous.</p> <p>Soil, gravelly; 3rd rate.</p> <p>Timber, cedar and pinon pine.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, 50.00 chs.</p>
------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

East, on a random line bet. secn. 25 and 30.

40.00	Set temp. & sec. cor.
50.20	Intersect N. bdy. of 1/4, 23 lbs. N. of the cor. of secn. 25, 30, 31, and 30, heretofore described.
	Hence I run
	N. 60° 50' W., on a true line bet. secn. 25 and 30.
	Over mountainous land; through heavy timber.
	Dirc.
4.80	Enter ledges, bears N. 40° W. and S. 40° E. Heavy timber.
31.00	Leave ledges, bears N. 40° W. and S. 40° E.
33.00	Bottom of canon, 800 ft. below sec. cor., course N. 40° W.
	A/c.
37.00	Enter heavy timber, bears N. and S.
40.10	Set a condstone, 26x18x5 ins., 15 ins. in the ground, for & sec. cor., mkd. & on N. face; from which
	A balsam, 12 ins. dia., bears N. 60° E., 75 lbs. dist., mkd. & S 25 B T.

Subdivision of T 6 S..R.6 W.-Continued.

chs.	A pinon pine, 16 ins. dia., bears S. 45° E., 60 lks. dist., mkd. $\frac{1}{4}$ S 36 B T.
47.00	Top of ridge, 300 ft. above hollow, bears N. 40° W. and S. 40° E. Desc.
55.00	Leave timber, bears N. 40° W. and S. 40° E.
58.30	Wash, 30 lks. wide, 4 ft. deep, in bottom of hollow, 250 ft. below ridge, course N. 60° W. There is a small spring SE about 10.00 chs. dist. Asc.
77.00	Top of ridge, 50 ft. above hollow, bears N. and S. Desc.
77.50	Enter heavy timber, bears N. and S.
80.20	The cor. of secs. 25, 26, 35, and 36. Land, mountainous. Soil, gravelly loam; 2nd rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.20 chs.

	N. 0° 1' W., bet. secs. 25 and 26. Over mountainous land; through heavy pine timber. Desc.
2.20	Leave timber, and enter dense sage brush, bears E. and W.
6.50	Wash, 30 lks. wide, 4 ft. deep, in bottom of hollow, 50 ft. below sec. cor., course NW. Asc.
37.00	Top of ridge, 500 ft. above hollow, bears NW and SE. Desc. through heavy timber.
40.00	Set a sandstone, 15x9x4 ins., 10 ins. in the ground, for $\frac{1}{2}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which A red pine, 12 ins., dia., bears N. 80° E., 55 lks. dist., mkd. $\frac{1}{4}$ S 25 B T. A pinon pine, 11 ins. diam., bears S. 20° W., 30 lks. dist., mkd. $\frac{1}{4}$ S 26 B T.

Subdivision of T.6 S., R.6 W. -Continued.

Chs.	
55.00	Leave heavy timber, bears E. and W.
80.00	Set a sandstone, 24x12x3 ins., 18 ins. in the ground, for cor. of secs. 23, 24, 25, and 26, marked with 2 notches on S. and 1 notch on E. edges; from which  A pinon pine, 5 ins. diam., bears N. 80° E., 175 lks. dist. mkd. T 6 S R 6 W S 24 B T.  A pinon pine, 10 ins. dia., bears S. 35° E., 130 lks. dist. mkd. T 6 S R 6 W S 25 B T.
	No other trees within limits; raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountains or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
	June 6, 1904: at this cor. I set off 22° 41' E., on the decl. arc; and at 01.27 p.m., l.m.t., observe the sun on the mer. the resulting lat. is 39° 57' N., which is the proper lat. nearly.
	— — — — —
	S. 89° 50' E., on a random line bet. secs. 24 and 25.
40.00	Set temp. π sec. cor.
80.40	Intersect E. bdy. of Tp., 10 lks. N. of the cor. of secs. 19, 24, 25, and 30., heretofore described.
	Thence I run N. 89° 43' W.; on a true line bet. secs. 24 and 25.
	Over mountainous land; through scattering timber.
	Ascend .
22.50	Top of ridge, 800 ft. above sec. cor., bears N. 30° W. and S.

Subdivision of T. 6 S R. 6 W.-Continued

- |       |                                                                                                                                                                                                                                                                                                                                                                           |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chs.  | 30° E.<br>Enter heavy timber, bears with ridge.<br>Desc.                                                                                                                                                                                                                                                                                                                  |
| 40.23 | Set a sandstone, 16x14x4 ins., 11 ins. in the ground, for<br>$\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which<br>A pinon pine, 12 ins. dia., bears N. 20° W., 65 lks.<br>dist. mkd. $\frac{1}{4}$ S 24 B T.<br>A pinon pine, 7 ins. dia., bears S. 75° W., 18 lks.<br>dist. mkd. $\frac{1}{4}$ S 25 B T.<br>Leave timber, bears N. 30° W. and S. 30° E. |
| 66.00 | Bottom of canon, 800 ft. below ridge, course N. 30° W.<br>Asc.                                                                                                                                                                                                                                                                                                            |
| 72.00 | Top of spur, 120 ft. above canon, bears N. and S.<br>Enter scattering timber, bears N. 30° E. and S. 30° W.<br>Desc.                                                                                                                                                                                                                                                      |
| 80.00 | Leave timber, bears N. 30° E. and S. 30° W.                                                                                                                                                                                                                                                                                                                               |
| 80.46 | The cor. of secs. 23, 24, 25, and 26.<br>Land, mountainous.<br>Soil, gravelly; 3rd rate.<br>Timber, cedar and pinon pine.<br>Good grass for grazing.<br>Mountainous or heavily timbered land, 80.46 chs.                                                                                                                                                                  |
| <hr/> |                                                                                                                                                                                                                                                                                                                                                                           |
|       | N. 0° 1' W., bet. secs. 23 and 24.<br>Over mountainous land; through scattering undergrowth.<br>Desc.                                                                                                                                                                                                                                                                     |
| 2.50  | Foot of descent, 30 ft. below sec. cor., bears NE and SW.<br>Enter bottom of Sower's Canon.<br>Pole fence, bears NE and SW.                                                                                                                                                                                                                                               |
| 8.00  | Creek, 5 lks. wide, 2 ins. deep, course NE.<br>From this point a reservoir bears NE about 5.00 chs. dist.<br>The reservoir is about 2.00 chs. square.                                                                                                                                                                                                                     |
| 15.00 | Point from which Preston Nutter's stack yard bears                                                                                                                                                                                                                                                                                                                        |

Subdivision of T.6 S., R.6 W.-Continued.

Chs.	N.30° E. about 3.00 chs.dist. A tent belonging to Hulda Earll about 70 lks.dist.	bears East
16.50	Old road, bears NE. and SW.	
20.50	Pole fence, bears NW and SE.	
22.00	Leave canon bottom, bears NE and SW.	
	Asc.	
29.00	Wash, 25 lks.wide, 4 ft.deep, course S.60° E. Enter scattering timber, bears N.60° W. and S.60° E.	
40.00	Set a sandstone, 24x10x4 ins., 18 ins.in the ground, for sec.cor., mkd. $\pi$ on W.face; from which A pinon pine, 20 ins.dia., bears N.84° E., 260 lks. dist., mkd., $\pi$ S 24 B T.	
	A cedar, 8 ins.dia., bears S.80° W., 175 lks. dist..mkd. $\pi$ S 23 B T.	
43.00	Begin steep ascent, bears E and W.	
52.00	Ledge, 20 ft.high, bears E. and W.	
64.50	Top of ridge, 1000 ft.above canon, bears N.70° W. and S.70° E. Enter heavy pinon pine timber, bears with ridge.	
	Desc.	
80.00	Set a shalestone, 20x10x4 ins., 15 ins.in the ground, for cor.of secs.13,14,23, and 24, marked with 3 notches on S. and 1 notch on E.edges; from which A pinon pine, 16 ins.dia., bears N.75° E., 200 lks. dist..mkd.T 6 S R 6 W S 13 E T.	
	A red pine, 14 ins.dia. bears S.75° E., 175 lks. dist., mkd.T 6 S R 6 W S 24 B T.	
	A balsam, 10 ins.diam., bears S.25° W., 100 lks. dist..mkd,T 6 S R 6 W S 23 B T.	
	A red pine, 8 ins.dia., bears N.15° W., 40 lks. dist., mkd.T 6 S R 6 W S 14 B T.	
	Land, mountainous .	
	Soil, gravelly ; 3rd rate.	

Subdivision of T 6 S R 6 W -Continued

Chs.	<p>Timber, pinon pine and cedar.</p> <p>Undergrowth, sage brush.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, 60.50 chs.</p> <hr/>
	<p>S.89°43'E., on a random line bet. secs. 13 and 24.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.44	Intersect E. bdy. of Tp., 23 lks. S. of the cor. of secs. 13, 18, 19, and 24, heretofore described.
	Thence I run
	N.89°53'W., on a true line bet. secs. 13 and 24.
	Over canon bottom; through dense undergrowth.
4.00	Creek, 4 lks. wide, 2 ins. deep, course N.10°E.
15.00	Old road, bears N.30°E. and S.30°W.
21.00	Leave canon, bears NE and SW.
	Leave undergrowth and enter heavy timber, bears NE and SW.
	Asc.
29.50	Point from which the west end of a pole fence, which crosses the canon bearing N.50°W. and S.50°E., bears S. 2.00 chs.
38.50	Top of ridge, 150 ft. above canon, bears NW and SE.
	Desc.
40.22	Set a sandstone, 20x8x5 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which
	A pinon pine, 10 ins. dia., bears N.60°W., 70 lks. dist., mkd. $\frac{1}{4}$ S 13 B T.
	A pinon pine, 8 ins. dia., bears S.40°E., 35 lks. dist.. mkd. $\frac{1}{4}$ S 24 B T.
76.00	Bottom of hollow, 200 ft. below ridge, course S.70°E.
	Asc.
80.44	The cor. of secs. 13, 14, 23, and 24.
	Land, mountainous.

## Subdivision of T 6 S R 6 W -Continued

Chs.      Soil, gravelly and white clay; 3rd rate.  
           Timber, cedar and pinon pine.  
           Undergrowth, sage brush.  
           Good grass for grazing.  
           Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.44 chs.

June 6, 1904.

---

June 7, 1904: At 7 h 3 m a.m., l.m.t., I set off  $39^{\circ} 58' N.$ , on the lat.arc;  $22^{\circ} 46' N.$ , on the decl.arc; and determine a mer. with the solar, at the cor. of secs 13, 14, 23, and 24.

Thence I run

$N.0^{\circ} 1' W.$ , bet. secs. 13 and 14.

Over mountainous land; through heavy timber.

Desc.

- 3.50 Bottom of hollow, 20 ft. below sec.cor., course  $S.60^{\circ} E.$ .  
       Asc. abruptly.
- 23.00 Top of abrupt ascent, bears  $N.80^{\circ} E.$  and  $S.80^{\circ} W.$ .
- 40.00 Set a sandstone, 18x15x4 ins., 12 ins. in the ground, for  $\frac{1}{4}$  sec.cor. mkd  $\frac{1}{4}$  on W. face; from which  
           A pinon pine, 6 ins. dia., bears  $N.85^{\circ} E.$ , 150 lbs.  
           dist., mkd  $\frac{1}{4}$  S 13 B T.  
           A red pine, 8 ins. dia., bears  $N.80^{\circ} W.$ , 250 lbs.  
           dist., mkd  $\frac{1}{4}$  S 14 B T.
- Leave heavy and enter scattering timber, bears E. and W.
- 44.00 Top of ridge, 400 ft. above hollow, bears  $N.85^{\circ} E.$  and  $S.85^{\circ} W.$   
       Desc.
- 69.00 Bottom of hollow, 300 ft. below ridge, course  $N.85^{\circ} E.$   
       Asc.
- 80.00 Set a sandstone, 18x8x7 ins., 12 ins. in the ground, for cor. of secs. 11, 12, 13, and 14, mkd. with 4 notches on S. and 1 notch on E. edges; from which

Subdivision of T. 6 S., R. 6 W., -Continued.

Chs. A pinon pine, 8 ins. diam., bears N. 70° E., 40 lks.  
dist.. mkd. T 6 S R 6 W S 12 B T.  
A pinon pine, 12 ins. dia., bears S. 30° E., 79 lks.  
dist.. mkd. T 6 S R 6 W S 13 B T.  
A pinon pine, 8 ins. dia., bears S. 57° W., 71 lks.  
dist.. mkd. T 6 S R 6 W S 14 B T.  
A pinon pine, 10 ins. dia., bears N. 60° W., 65 lks.  
dist., mkd. T 6 S R 6 W S 11 B T.  
Land, mountainous.  
Soil, gravelly; 3rd rate.  
Timber, cedar and piñon pine.  
Good grass for grazing.  
Mountainous or heavily timbered land, 80.00 chs.

S. 89° 53' E., on a random line bet. secs. 12 and 13.  
40.00 Set temp.  $\frac{1}{2}$  sec. cor.  
80.20 Intersect E. bdy. of Tp., 21 lks. S. of the cor. of secs.  
7, 12, 13, and 18, heretofore described.  
Thence 1 run  
S. 89° 58' W., on a true line bet. secs. 12 and 13.  
Over mountainous land; through scattering timber and  
scattering undergrowth.  
Ascend along side of ridge.  
35.00 Top of ridge, 200 ft. above sec. cor., bears N. 80° W. and S.  
80° E.  
Desc. along side of ridge.  
37.00 Leave undergrowth, bears N. 80° W. and S. 80° E.  
40.10 Set a sandstone, 18x9x7 ins., 12 ins. in the ground, for  
sec. cor., mka. on N. face; from which  
A pinon pine, 10 ins. dia., bears N. 70° E., 50 lks.  
dist., mkd. S 12 B T.  
A pinon pine, 10 ins. dia., bears S. 40° W., 29 lks.  
dist., mkd. S 13 B T.

Subdivision of T.6 S., R.6 W.-Continued.

Chs.	
50.00	Leave scattering and enter heavy timber, bears N.30° E. and S.30° W.
65.00	Enter scattering sage brush, bears N. and S.
70.00	Leave heavy and enter scattering timber, bears N40° E. and S.40° W.
80.20	The cor. of secs. 11, 12, 13, and 14. Land, mountainous. Soil, sandy and gravelly; 3rd rate. Timber, cedar and pinon pine. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, 80.20 chs.
	<hr/>
	N.0° 1' W., bet. secs. 11 and 12. Over mountainous land; through scattering timber and scattering undergrowth. Ascend.
2.00	Top of ridge, 10 ft. above sec. cor., bears N.85° E. and S.85° W. Leave timber, bears N.85° E. and S.85° W. Desc.
12.50	Bottom of canon, 500 ft. below ridge, course N.80° E. Asc.
17.00	Enter heavy timber, bears E. and W.
40.00	Set a sandstone, 2x12x4 ins., 16 ins. in the ground, for sec. cor. mkd. $\frac{1}{2}$ on W. face; from which A pinon pine, 12 ins. dia., bears N.25° E., 30 lks. dist., mkd. $\frac{1}{2}$ S 12 B T. A pinon pine, 6 ins. dia., bears S.15° W., 50 lks. dist., mkd. $\frac{1}{2}$ S 11 B T.
42.00	Leave timber, bears E. and W.

Subdivision of T 6 S R 6 W -Continued

Chs.	
68.00	Top of ridge, 600 ft. above hollow, bears N. 75° E. and S. 75° W. Desc.
80.00	Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for cor. of secs. 1, 2, 11, and 12, mkd. with 5 notches on S. and 1 notch on E. edges; dig pits, 18x18x12 ins., in each sec., 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, mountainous. Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, 80.00 chs. June 7, 1904: At this cor. I set off 22° 47' N., on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is 39° 59' N., which is the proper lat. nearly.
40.00	N. 89° 58' E., on a random line bet. secs. 1 and 12. Set temp. ¼ sec. cor.
79.98	Intersect E. bdy. of Tp., 6 lks. N. of the cor. of secs., 1, 6, 7, and 12, heretofore described. Thence I run N. 89° 59' W., on a true line bet. secs. 1 and 12. Over mountainous land; through dense undergrowth. Asc.
32.00	Enter heavy pinon pine timber, bears NW and SE.
39.99	Set a sandstone, 18x13x4 ins., 12 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; dig pits, 18x18x12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.

Subdivision of T.6 S., R.6 W.-Continued.

Chs.	
45.00	Begin abrupt ascent, bears N.60° E. and S.60° W.
70.00	Top of rocky ridge, 200 ft. above $\frac{1}{2}$ sec.cor., bears N.60° E. and S.60° W.
79.98	The cor.of secs.1,2,11, and 12. Land, mountainous. Soil, gravelly; 3rd rate. Timber, pinon pine. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 79.98 chs.
	<hr/>
	N.0° l'W., on a random line bet.secs.1 and 2.
40.00	Set temp. $\frac{1}{2}$ sec.cor.
80.02	Intersect N.bdy.of Tr., 14 Elks.N.89° 59'W., of the cor. of secs.1,2,35, and 36, heretofore described. Thence I run S.0° 05'W., on a true line bet.secs.1 and 2. Over mountainous land; through heavy timber. Desc.
26.50	Bottom of branch of Sower's Canon, 400 ft. below sec.cor., course N.60° E. Asc.
34.00	Leave timber, bears N.60° E. and S.60° W.
40.02	Set a sandstone, 18x10x4 ins., 12 ins.in the ground, for $\frac{1}{2}$ sec.cor., mkd. $\frac{1}{2}$ on W.face; and raise a mound of stone, $\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high, W.of cor.
64.00	Top of ridge, 600 ft. above canon, bears N.20° E. and S.20° W. Desc.
78.00	Bottom of hollow, 50 ft. below ridge, course N.20° E. Asc.

Subdivision of '6 S. R. 6 W -Continued

Chs.	
80.02	The cor. of secs. 1, 2, 11, and 12. Land, mountainous; Soil, sandy and gravelly; 3rd rate. Timber, pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.02 chs.

June 7, 1904.

---

June 8, 1904: At 7 h 3 m a.m., l.m.t., I set off  $39^{\circ} 55' N.$ , on the lat. arc;  $22^{\circ} 52' N$ , on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 2, 3, 34, and 35, on S. bdy. of Tp. heretofore described.

Thence I run

$N.0^{\circ} 1' W.$ , bet. secs. 34 and 35.

Over mountainous land; through scattering timber.

Asc.

10.00	Top of ridge, 200 ft. above sec. cor., bears NW and SE.
	Desc..
40.00	Set a sandstone, $20 \times 12 \times 4$ ins., 15 ins. in the ground, for sec. cor., mkd. $\frac{1}{2}$ on W. face; from which A pinon pine, 12 ins. dia., bears $S.60^{\circ} E.$ , 500 lks. dist. mkd. $\frac{1}{2}$ S 35 B T. A pinon pine, 9 ins. dia., bears $S.80^{\circ} W.$ , 50 lks. dist. mkd., $\frac{1}{2}$ S 34 B T.
51.00	Spring branch, 1 lk. wide, 5 ins. deep, course W. The spring is 100 lks. east of line.
63.00	Wash, 15 lks. wide, 4 ft. deep, in bottom of hollow, 400 ft. below ridge, course N. $30^{\circ} E.$
	Asc.
80.00	Set a sandstone, $20 \times 12 \times 5$ ins., 15 ins. in the ground, for cor. of secs. 26, 27, 34, and 35, mkd. with 1 notch on S. and

Subdivision of T.6 S., R.6 W.-Continued.

Chs. 2 notches on E.edges; from which  
A pinon pine, 16 ins. dia., bears N.45° E., 45 lks.  
dist. mkd. T 6 S R 6 W S 26 B T.  
A pinon pine, 20 ins. dia., bears S.45° E., 125 lks.  
dist. mkd. T 6 S R 6 W S 35 B T.  
A pinon pine, 24 ins. dia., bears S.50° W., 100 lks.  
dist. mkd. T 6 S R 6 W S 34 B T.  
A pinon pine, 20 ins. dia. bears N.60° W., 90 lks.  
dist. mkd. T 6 S R 6 W S 27 B T.  
Land, mountainous.  
Soil, gravelly and sandy loam; 2nd rate.  
Timber, pinon pine..  
Good grass for grazing.  
Mountainous land, 80.00 chs.

---

East, on a random line bet. secs. 20 and 35.

- 40.00 Set temp.  $\pm$  sec. cor.  
80.22 Intersect N. and S. line, 16 lks. S. of the cor. of secs.  
25, 26, 35, and 36.  
Thence I run  
S.89° 53' W., on a true line bet. secs. 26 and 35.  
Over mountainous land; through heavy timber.  
Desc.  
1.20 Spring branch, 1 lk. wide, 2 ins. deep, heads at spring,  
50 lks. S., course N.  
5.00 Bottom of hollow, 30 ft. below cor., course N.  
Asc.  
30.50 Top of ridge, 400 ft. above hollow, bears NW and SW.  
Leave heavy and enter scattering timber. Desc.  
40.11 Set a sandstone, 14x9x6 ins., 9 ins. in the ground,  $\pm$  sec. cor. mkd.  $\pm$  on N. face; from which  
A pinon pine, 8 ins. dia. bears N.70° E., 150 lks.  
dist. mkd.  $\pm$  S 26 B T.

Subdivision of T 6 S .T -6 W.-Continued

Chs.	A pinon pine, 20 ins. dia., bears S.70° E., 175 lks. dist., mkd. $\frac{1}{4}$ S 35 E T.
45.00	Bottom of hollow, 400 ft. below ridge, course N.20° W.
	Asc.
47.00	Enter heavy timber, bears N. and S.
60.00	Top of ridge, 200 ft. above hollow, bears N.20° W. and S. 20° E.
	Desc.
74.50	Bottom of hollow, 150 ft. below ridge, course N.20° W.
	Asc.
80.22	The cor. or secs. 26, 27, 34, and 35. Land, mountainous. Soil, white clay and gravelly; 3rd rate. Timber, pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.22 chs.
<hr/>	
	N.0° 1' W., bet secs. 26 and 27.
	Over mountainous land; through heavy timber.
	Asc.
11.50	Top of ridge, 200 ft. above sec. cor., bears NE and SW.
	Desc.
34.00	Foot of descent, 300 ft. below ridge, bears N.60° E. and S.60° W. Leave timber and enter dense undergrowth; bears N.60° E. and S.60° W. Enter bottom of Sower's Canon.
34.50	Pole fence, bears N. 60° E. and S.60° W. Enter enclosed field.
36.50	Creek, 3 lks. wide, 3 ins. deep, course N.60° E.
40.00	Set a sandstone, 14x8x6 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; dig pits, 18x18x12 ins., N. and

Subdivision of T 6 S R 6 W -Continued

Chs.	S.of stone,3 ft.dist.;and raise a mound of earth, $3\frac{1}{2}$ ft.base base, $1\frac{1}{2}$ ft.high,W.of cor.
45.00	Old road, bears NE and SW.
49.00	Leave canon,bears N. $56^{\circ}$ E.and S. $50^{\circ}$ W. Leave undergrowth and enter scattering timber,bears N. $50^{\circ}$ E.and S. $50^{\circ}$ W. Asc.abruptly.
64.00	Top of ridge,500 ft.above canon,bears N. $60^{\circ}$ W.and S. $60^{\circ}$ E. Desc.
71.50	At this point I am in line with partition fence crossing Sower's Canon,bears N. $36^{\circ}$ W.and S. $36^{\circ}$ E.
80.00	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for cor.of secs.22,23,26, and 27,mkd.with 2 notches on S.,and E.edges;from which  A pinon pine,16 ins.dia.,bears N. $10^{\circ}$ E.,25 lks. dist..mkd.T 6 S R 6 W S 23 B T.  A pinon pine,12 ins.dia.,bears S. $60^{\circ}$ E.,60 lks. dist..mkd.T 6 E R 6 W S 26 B T.  A pinon pine,16 ins.dia.,bears S. $60^{\circ}$ W.,55 lks. dist..mkd.T 6 S R 6 W S 27 B T.  A pinon pine,4 ins.dia.,bears N. $40^{\circ}$ W.,75 lks. dist..mkd.T 6 S R 6 W S 22 B T.  Land,mountainous and level canon bottom. Soil,gravelly and white clay ;3rd rate. Timber,pinon pine. Undergrowth,sagebrush. Good grass for grazing. Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.  June 8,1904:At the noon hour the sky is overcast and solar observations are impossible.
	<hr/> N. $89^{\circ}53'$ E.,on a random line betsecs.23 and 26.

Subdivision or T. 6 S. R. 6 W.-Continued.

Chs.	
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.14	Intersect N.and S.line,23 lks.N.of the cor.of secs. 23,24,25, and 26.
	Thence I run
	N. $89^{\circ} 57' W.$ ,on a true line betsecs.23 and 26.
	Over mountainous land;through scattering undergrowth.
	Desc.
3.50	Foot of descent,40 ft.below sec.cor.,bears NE and SW. Pole fence,bears NE and SW.
	Enter enclosed field and bottom of Sower's Canon.
8.25	Leave undergrowth and enter meadow,bears N.and S.
17.00	Creek,6 lks.wide,3 ins.deep,course NE .
19.00	Leave meadow and enter dense undergrowth,bears NE and SW.
28.75	Old road,bears NE and SW.
36.00	Leave canon and begin ascent,bears NE and SW. Leave undergrowth and enter scattering pinon pine timber, bears NE and SW.
40.07	Set a limestone,18x10x4 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,mkd. $\frac{1}{4}$ on N.race;from which A pinon pine,8 ins.diam.,bears N. $30^{\circ} W.$ ,60 lks. dist..mkd. $\frac{1}{4}$ S 23 B T. A pinon pine,5 ins.dia.,bears S. $80^{\circ} E.$ ,20 lks. dist..mkd. $\frac{1}{4}$ S 26 B T.
62.75	Top of spur,300 ft.above canon,bears N. $30^{\circ} W.$ and S. $30^{\circ} E.$ Desc.
78.00	Bottom of hollow,200 ft.below ridge,course SE. ASC.
80.14	The cor.of secs.22,23,26, and 27. Land,mountainous,and level. Soil,gravelly loam and white clay;2nd and 3rd rate. Timber,pinon pine. Undergrowth,sage brush and rabbit brush. Good grass for grazing.

Subdivision of T. 6 S., R. 6 W.-Continued.

Chs.	Mountainous land, or land covered with dense undergrowth, 64.64 chs.
	<hr/>
	N. 0° 1' W., bet. secs. 22 and 23.
	Over mountainous land; through scattering timber.
	Desc.
1.50	Bottom of hollow, 10 ft. below sec. cor., course S. 40° E. Asc.
8.00	Foot or shale ledge, 100 ft. high, bears N. 70° W. and S. 70° E. Thence over a series of ledges.
15.00	Top of ridge, 800 ft. above hollow, bears N. 70° W. and S. 70° E. Leave ledges, bears with ridge.
	Desc.
35.00	Leave timber, bears N. 60° W. and S. 60° E.
39.00	Bottom of hollow, 600 ft. below ridge, course S. 70° E. A small spring bears N. 70° W., about 7.00 chs. dist. Asc.
40.00	Set a sandstone, 16x6x6 ins., 11 ins. in the ground, for sec. cor., mkd. $\pi$ on W. face; from which a pinon pine, 24 ins. dia., bears N. 30° E., 60 lks. dist.. mkd. $\pi$ S 23 B T. No other tree within limits; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
45.00	Enter scattering timber, bears E. and W.
48.50	Top of ridge, 300 ft. above hollow, bears N. 70° W. and S. 70° E. Desc.
.50.00	Bottom of hollow, 50 ft. below ridge, course S. 70° E. Asc.
50.50	Enter heavy timber, bears N. 70° W. and S. 70° E.
68.00	Top of ridge, 600 ft. above hollow, bears N. 20° W. and S. 20° E. Leave heavy and enter scattering timber and dense sage

Subdivision of T.6 S., R.6 W.-Continued.

Chs.	brush,bears with ridge.
	Desc.
80.00	Set a sandstone, 24x16x3 ins., 18 ins.in the ground, for cor.of secs.14,15,22, and 23,mkd. with 3 notches on S.and 2 notches on E.edges;from which A red pine, 12 ins.dia., bears N. $45^{\circ}$ E., 150 lks. dist..mkd .T 6 S R 6 W S 14 B T. A red pine, 24 ins.dia., bears S. $35^{\circ}$ E., 376 lks. dist..,mkd.T 6 S R 6 W S 23 B T. A balsam, 8 ins.dia., bears S. $45^{\circ}$ W., 125 lks. dist..mkd.T 6 S R 6 W S 22 B T. A red pine, 10 ins.dia., bears N. $30^{\circ}$ W., 225 lks. dist ..;mkd.T 6 S R 6 W S 15 B T.
	Land, mountainous.
	Soil, gravelly and rocky; 3rd and 4th rate.
	Timber, pinon pine and red pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth, 80.00 chs.
40.00	S. $89^{\circ} 57' E.$ ,on a random line bet.secs.14 and 23.
80.28	Set temp. $\frac{1}{4}$ sec.cor.
	Intersect N.and S.line, 16 lks.S.of the cor.of secs. 13,14,23, and 24.
	Thence I run
	S. $89^{\circ} 56' W.$ ,or a true line bet.secs.14 and 23.
	Over mountainous land;through heavy timber.
	Desc.
40.14	Set a sandstone, 12x12x4 ins., 8 ins.in the ground, for $\frac{1}{4}$ sec.cor.,mkd. $\frac{1}{4}$ on N.face;from which A red pine, 12 ins.dia., bears N. $35^{\circ}$ W.;55 lks.

Subdivision of T.6 S., R.6 W.-Continued.

Chs.	dist. mkd. $\frac{1}{4}$ S 14 B T.
	A red pine, 12 ins. dia., bears S. $60^{\circ}$ E., 30
	lks. dist. mkd. $\frac{1}{4}$ S 23 B T.
41.00	Leave timber, bears N. and S.
52.00	Top or ridge, 400 ft. above sec. cor., bears NW and SE.
Desc.	
55.00	Enter scattering timber, bears NW and SE.
68.50	Bottom or hollow, 250 ft. below ridge, course S. $30^{\circ}$ E.
Asc.	
80.28	Point 200 ft. above hollow.
	The cor. of secs. 14, 15, 22, and 23.
	Land, mountainous.
	Soil, white clay and gravelly; 3rd rate.
	Timber, pinon pine and red pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.28 chs.

June 8, 1904.

---

June 9, 1904: At 7 h 2 m a.m., l.m.t., I set off  $39^{\circ} 58' N.$ , on the lat. arc;  $22^{\circ} 57' N.$ , on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 14, 15, 22, and 23.

Thence I run

N.  $0^{\circ} 1' W.$ , bet. secs. 14 and 15.

over mountainous land; through scattering timber.

Desc.

16.50	Leave timber, bears E. and W.
17.00	Bottom of hollow, 100 ft. below sec. cor., course S. $20^{\circ}$ E.
Asc.	
35.00	Top of ridge, 250 ft. above hollow, bears E. and W.
Desc.	
40.00	Set a sandstone, 16x11x3 ins., 11 ins. in the ground, for

Subdivision of T 6 S . R 6 W -Continued

- Chs.  $\frac{1}{4}$  Sec.cor., mkd.  $\frac{1}{4}$  on W. face; from which  
A red pine, 14, ins. dia., bears N.  $30^{\circ}$  E., 265 lks.  
dist., mkd.  $\frac{1}{4}$  S 14 B T.
- A red pine, 10 ins. dia., bears N.  $35^{\circ}$  W., 275 lks.  
dist., mkd.  $\frac{1}{4}$  S 15 B T.
- 42.00 Enter scattering timber, bears E. and W.
- 46.50 Leave timber, bears E. and W.
- 47.00 Head of hollow, 150 ft. below ridge, course NE  
Asc.
- 70.00 Top of ridge, 150 ft. above hollow, bears N.  $70^{\circ}$  E. and S.  $70^{\circ}$   
W.
- Desc.
- 80.00 Set a sandstone, 20x8x5 ins., 15 ins. in the ground, for  
cor. of secs. 10, 11, 14, and 15, mkd. with 4 notches on S. and  
2 notches on E. edges; and raise a mound of stone, 2 ft. base  
 $1\frac{1}{2}$  ft. high, W. of cor.
- Land, mountainous.
- Soil, gravelly; 3rd rate.
- timber, red pine and pinon pine.
- Good grass for grazing.
- Mountainous land, 80.00 chs.
- 
- 40.00 N.  $89^{\circ} 56'$  E., on a random line bet. secs. 11 and 14.  
Set temp.  $\frac{1}{4}$  sec. cor.
- 80.06 Intersect N. and S. line, 10 lks. N. of the cor. of secs.  
11, 12, 13, and 14.
- Thence I run  
West, on a true line bet. secs. 11 and 14.
- Over mountainous land; through scattering timber.  
Asc. along side of ridge.
- 10.00 Enter dense undergrowth, bears N. and S.
- 25.00 Leave timber, bears NE and SW.
- 33.50 Top of ridge, 400 ft. above sec. cor., bears N.  $80^{\circ}$  E. and S.

Subdivision of T.6 S..R.6 W.-Continued

Chs.	80°W.
	Desc.
34.00	Enter scattering timber,bears NW and SE.
40.03	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for ½ sec.cor.,mkd. on N.face;from which  A pinon pine,10 ins.dia.,bears N:60°E.,59 lks. dist.. mkd. S 11 B T.  A red pine,8 ins.dia.,bears S.40°W.,29 lks. dist. mkd. S 14 B T.
50.00	leave undergrowth,bears NE and SW.
60.00	Bottom of hollow,250 ft.below ridge,course N.70°E.
	Asc.
72.50	Top of ridge,200 ft.above hollow,bears N.and S.
	Desc.
80.06	The cor.of secs.10,11,14, and 15.  Land,mountainous.  Soil,gravelly and white clay;3rd rate.  Timber,red pine and pinon pine.  Undergrowth,sage brush.  Good grass for grazing.  Mountainous land,or land covered with dense undergrowth, 80.06 chs .
	<hr/>
	W.0°1'W.,betsecs.10 and 11.  Over mountainous land;through scattering undergrowth.  Ascend .
12.00	Top of spur,100 ft.above sec.cor.,bears NW and SE.
	Asc.
40.00	Set a sandstone,14x14x5 ins.,9 ins.in the ground,for ½ sec.cor.,mkd. on W.face;and raise a mound.of stone, 2 ft.base,1½ ft.high,W.of cor.
45.00	Enter scattering timber,bears E.and W.

## Subdivision of T 6 S R 6 W -Continued

Chs.	
53.00	Leave timber,bears E.and W.
55.50	Bottom of branch of Sower's Canon,500 ft.below ridge,cours NE.
Asc.	
66.00	Point from which a small spring bears West about 16.00 chs.dist.,course SE.
	Enter scattering timber,bears NW and SE.
73.00	Enter heavy timber,bears NW and SE..
80.00	Set a sandstone,20x12x4 ins.,15 ins.in the ground,for cor.of secs.2,3,10, and 11,mkd.with 5 notches on S.and 2 notches on E.edges;from which
	A pinon pine,11 ins.dia.,bears N.40° E.,51 lks.dist..mkd.T 6 S R 6 W S 2 B T.
	A cedar,9 ins.dia.,bears S.86° E.,105 lks. dist..mkd.T 6 S R 6 W S 11 B T.
	A pinon pine,12 ins.dia.,bears S.47° W.,40 lks.dist..mkd.T 6 S R 6 W S 10 B T.
	A pinon pine ,20 ins.dia.,bears N.36° W.,63 lks.dist..mkd.T 6 S R 6 W S 3 B T.
	Land,mountainous .
	Soil,white clay and gravelly;3rd rate.
	Timber,pinon pine and red pine and cedar.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.
	June 9,1904:At the noon hour the sky is overcast and solar observations are impossible.
	East, on a random line bet.secs.2 and 11.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.86	Intersect N.and S.line,12 lks.S.of the cor.of secs.

Subdivision of T 6 S .R.6 W.-Continued

chs. 1,2,11, and 12.  
Thence I run  
S.89° 55'W., on a true line bet. secs. 2 and 11.  
Over mountainous land; through dense undergrowth.  
Descend.  
.80 Bottom of hollow, 10 ft. below sec. cor., course N.20° E.  
Asc.  
8.00 Top of ridge, 100 ft. above hollow, bears NE and SW.  
Desc.  
21.00 Bottom of hollow, 160 ft. below ridge, course NE.  
Asc.  
26.00 Top of ridge, 200 ft. above hollow, bears NE and SW.  
Desc.  
37.00 Bottom of branch of Sower's Canon, 500 ft. below ridge,  
course N.60° E.  
Asc. through scattering timber.  
39.93 Set a sandstone, 12x12x6 ins., 8 ins. in the ground, for  
 $\frac{1}{2}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face; from which  
A pinon pine, 12 ins. dia., bears N.45° W., 35 lks.  
dist.. mkd.  $\frac{1}{4}$  S 2 B T.  
A cedar, 12 ins. dia., bears S.70° W., 50 lks.  
dist.. mkd.  $\frac{1}{4}$  S 11 B T.  
79.86 The cor. of secs. 2,3,10, and 11.  
Point 500 ft. above canon.  
Land, mountainous.  
Soil, gravelly ; 3rd rate.  
Timber, pinon pine, cedar, and red pine.  
Undergrowth, sage brush.  
Good grass for grazing.  
Mountainous land, or land covered with dense undergrowth,  
79.86 chs.

NW° 01'W., on a random line bet. secs. 2 and 3.

Subdivision of T.6 S., R.6 W -Continued

Chs.	
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.25	Intersect N.bdy.of Tp., 16 lks.S. 89° 59' E., of the cor.of secs. 2, 3, 34, and 35, heretofore described. Thence I run S. 0° 08' E., on a true line bet. secs. 2 and 3. Over mountainous land; through heavy timber.
	Desc.
5.00	Bottom of hollow, 40 ft. below sec.cor., course N. 30° W.
	Asc.
5.75	Leave timber, bears N. 30° W. and S. 30° E.
40.25	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor.. mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
57.00	Top of ridge, 700 ft. above hollow, bears N. 20° W. and S. 20° E.
	Desc.
57.25	Enter heavy timber, bears NW. and SE.
60.50	Head of hollow, 60 ft. below ridge, course N. 60° W.
	Asc.
61.00	Leave timber, bears N. 60° W. and S. 60° E.
68.00	Top of ridge, 100 ft. above hollow, bears NE and SW. Divide bet. Cottonwood and Sower's Canons. Desc.
78.50	Enter heavy timber, bears E. and W.
80.25	The cor. of secs. 2, 3, 10, and 11. Land, mountainous. Soil, gravelly and white clay; 3rd rate. Timber, pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.25 chs.

June 9, 1904.

June 10, 1904: At 7 h 3 m a.m., l.m.t., I set off 39° 55' N.,

Subdivision of T 6 S. R. 6 W.-Continued.

Chs. on the lat.arc;  $23^{\circ}02'N.$ , on the decl.arc; and determine a mer. with the solar, at the cor. of secs. 3, 4, 33, and 34, on S.bdy. of Tp., heretofore described.

Thence I run

N. $0^{\circ}2'W.$ , bet. secs. 33 and 34.

Over mountainous land; through scattering timber.

Asc.

3.00 Top of ridge, 20 ft. above sec.cor., bears N. $70^{\circ}W.$  and S.  $70^{\circ}E.$ .

Descend.

25.00 Leave timber, bears E. and W.

37.00 Wash, 15 lks. wide, 3 ft. deep, in bottom of hollow, 500 ft. below ridge, course N. $20^{\circ}W.$

Enter scattering timber, bears with hollow.

Asc.

40.00 Set a sandstone, 16x8x7 ins., 11 ins. in the ground, for  $\frac{1}{2}$  sec.cor., mkd.  $\frac{1}{2}$  on W. face; from which

A balsam, 9 ins. dia., bears S. $65^{\circ}E.$ , 125 lks.  
dist.. mkd.  $\frac{1}{2}$  S 34 B T.

A balsam, 10 ins. dia., bears N. $45^{\circ}W.$ , 400 lks.  
dist.. mkd.  $\frac{1}{2}$  S 33 B T.

Descend along side of hollow.

80.00 Set a limestone, 16x12x3 ins., 11 ins. in the ground, for cor. of secs. 27, 28, 33, and 34, marked with 1 notch on S. and 3 notches on E. edges; from which

A pinon pine, 16 ins. dia., bears N. $45^{\circ}L.$ , 100 lks.  
dist.. mkd. T 6 S R 6 W S 27 B T.

A pinon pine, 15 ins. dia., bears S. $35^{\circ}E.$ , 200 lks.  
dist.. mkd. T 6 S R 6 W S 34 B T.

A pinon pine, 10 ins. dia., bears S. $45^{\circ}W.$ , 190 lks.  
dist.. mkd. T 6 S R 6 W S 33 B T.

A pinon pine, 16 ins. dia., bears N.  $15^{\circ}W.$ , 205 lks.  
dist.. mkd. T 6 S R 6 W S 28 B T.

Land, mountainous.

## Subdivision of T 6 S . R 6 W -Continued

Chs.	Soil, gravelly and white clay; 3rd rate. Timber, pinon pine, red pine, and balsam. Good grass for grazing. Mountainous land, 80.00 chs.
	East, on a random line bet. secs. 27 and 34.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
80.24	Intersect N. and S. line, 19 lks. S. of the cor. of secs. 26, 27, 34, and 35. Thence 1 run S. 89° 52' W., on a true line bet secs. 27 and 34. Over mountainous land; through heavy timber. Asc.
17.00	Top of ridge, 500 ft. above sec. cor., bears N. and S. Desc.
29.00	Bottom of hollow, 100 ft. below ridge, course N. Asc.
30.20	Pole fence, bears N. and S.
34.60	Top of ridge, 100 ft. above hollow, bears N. and S. Desc.
40.12	Set a sandstone, 22x10x4 ins., 16 ins. in the ground, for $\frac{1}{2}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which A pinon pine, 20 ins. dia., bears N., 200 lks. dist. mkd. $\frac{1}{2}$ S 27 B T. A pinon pine, 12 ins. dia., bears S. 10° E., 60 lks. dist. mkd. $\frac{1}{2}$ S 34 B T.
46.00	Bottom of hollow, 300 ft. below ridge, course N. 10° W. Asc.
56.00	Top of ridge, 250 ft. above hollow, bears N. 15° E. and S. 15° W. Desc.
65.00	Bottom of hollow, 100 ft. below ridge, course N. 15° E. Asc.

Subdivision of T. 6 S., R. 6 W.-Continued

Chs.	
76.00	Top of spur, 75 ft. above hollow, bears N. and S.
	Desc.
80.24	The cor. of secs. 27, 28, 33, and 34. Land, mountainous. Soil, gravelly and white clay; 3rd rate. Timber, pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.24 chs.
	<hr/>
	N. 0° 2' W., bet. secs. 27 and 28. Over mountainous land; through heavy timber.
	Desc.
18.00	Leave timber, bears E. and W.
22.80	Foot of mountain, 150 ft. below sec. cor., enter bottom of Sower's Canon, bears N. 80° E. and S. 80° W. Pole fence, bears N. 80° E. and S. 80° W. Enter dense undergrowth, bears N. 80° E. and S. 80° W.
32.50	Creek, 5 lks. wide, 3 ins. deep, in wash, 20 lks. wide, 10 ft. deep, course N. 80° E.
33.00	Old road, bears N. 80° E. and S. 80° W.
34.00	Leave canon bottom, bears N. 80° E. and S. 80° W. Leave undergrowth and enter heavy timber, bears N. 80° E. and S. 80° W.
	Asc.
38.50	Top of ridge, 200 ft. above canon, bears N. 70° W. and S. 70° E.
	Desc.
40.00	Set a sandstone, 15x8x3 ins., 10 ins. in the ground, for sec. cor. rkd. on W. face; from which A pinon pine, 20 ins. dia., bears S. 29° E., 75 lks. dist. mkd. S 27 B T. A pinon pine, 18 ins. dia., bears N. 25° W., 125

Subdivision of T 6 S R 6 W -Continued

Chs.	dist.. mkd. $\frac{1}{4}$ S 28 B T.
44.00	Leave timber and enter dense rabbit brush, bears E. and W.
48.00	Bottom of hollow, 150 ft. below ridge, course S.70°E.
	Asc.
48.25	Leave undergrowth and enter heavy timber, bears N.70°W. and S.70°E.
80.00	Set a sandstone, 16x12x4 ins., 11 ins. in the ground, for cor. of secs. 21, 22, 27, and 28, mkd. with 2 notches on S. and 3 notches on E. edges; from which
	A pinon pine, 14 ins. dia., bears N.30°E., 100 lks. dist.. mkd. T 6 S R 6 W S 22 B T.
	A pinon pine, 10 ins. dia., bears S.43°E., 125 lks. dist., mkd. T 6 S R 6 W S 27 B T.
	A pinon pine, 12 ins. dia., bears S.70°W., 75 lks. dist.. mmkd. T 6 S R 6 W S 28 B T.
	A pinon pine 12 ins. dia., bears N.25°W., 150 lks. dist.. mkd. T 6 S R 6 W S 21 B T.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, pinon pine.
	Undergrowth, rabbit brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
	June 10, 1904: At this cor. I set off 23°02' N., on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer., the resulting lat. is 39°57' N., which is the proper lat. nearly.
	N. 89° 52' E., on a random line bet. secs. 22 and 27.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.20	Intersect N. and S. line, 21 lks. S. of the cor. of secs.

Subdivision of T 6 S R 6 W -Continued

- Chs. 22, 23, 26, and 27.  
Thence I run  
S.89° 45' W., on a true line bet. secs. 22 and 27.  
Over mountainous land; through heavy timber.  
Asc. over ledges.  
5.00 Leave ledges, bears N. 05° W. and S. 65° E.  
20.00 Top of ridge, 800 ft. above sec. cor., bears N. 65° W. and S. 65° E.  
Desc.  
40.10 Set a limestone, 14x14x6 ins., 9 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face; from which  
A pinon pine, 14 ins. dia., bears N. 75° W., 35 lks.  
dist. mkd.  $\frac{1}{4}$  S 22 B T.  
A pinon pine, 12 ins. dia., bears S. 85° E., 40 lks.  
dist. mkd.  $\frac{1}{4}$  S 27 B T.  
56.00 Bottom of canon, 700 ft. below ridge, course S. 60° E.  
Asc.  
69.00 Ledge, 20 ft. high, bears N. 00° W. and S. 60° E.  
70.00 Top of ridge, 250 ft. above canon, bears N. 60° W. and S. 60° E.  
Desc.  
80.20 The cor. of secs. 21, 22, 27, and 28.  
Land, mountainous.  
Soil, gravelly; 3rd rate.  
Timber, pinon pine.  
Good grass for grazing.  
Mountainous or heavily timbered land, 80.20 chs.
- 
- N. 0° 2' W., bet. secs. 21 and 22.  
Over mountainous land; through heavy timber.  
Asc.  
32.00 Top of ridge, 250 ft. above sec. cor., bears NW and SE.  
Desc.

## Subdivision of T 6 S R 6 W -Continued

Chs.	
32.50	Leave timber,bears NW and SE.
39.00	Enter heavy timber,bears NW and SE.
40.00	Set a sandstone,16x14x4 ins.,11 ins.in the ground,for 1/2 sec.cor.,mkd.z on W.face;from which  A red pine,13 ins.dia.,bears E.,120 lks.. dist..mkd.z S 22 B T.  A balsam,6 ins.dia.,bears N.30°W.,179 lks. dist.mkd.z S 21 B T.
54.00	Bottom cf hollow,150 ft.below ridge,course SE.  Leave timber,bears NW and SE.
	Asc.
68.00	Top of ridge,100 ft.above hollow,bears N.40°E.and S.40°W.
	Desc.
80.00	Set a sandstone,18x7x4 ins.,12 ins.in the ground,for cor.of secs.15,16,21, and 22,mkd.6 S on NE and 6 W on SE faces;with 3 notches on S.,and E.edges;dig pits,18x18x12 ins.in each sec.;5 1/2 ft.dist.;and raise a mound of earth, at rt.base,2 ft.high,W.of cor.  Land,mountainous.  Soil,gravelly ;3rd rate.  Timber,pinon pine,red pine, and balsam.  Good grass for grazing.  Mountainous or heavily timbered land,80.00 chs.
	June 10,1904:At this corner,in .,latitude 39°57'40"N., longitude 110°36'06"W.,I set off 39°58'N.,on the lat. arc;23°04'N.,on the decl.arc;and at 5 h 3 m p.m.,l.m.t., I determine a mer.with the solar, and mark a point thereof on a stone firmly set in the ground,5.00 chs.N.of the cor.

June 10,1904.

June 11,1904 :At 2 h 11.4 m a.m.,l.m.t.,I obs.Pol.at eas

Subdivision of T.6 S., R.6 W.-Continued.

Chs. 1. Turn elong. in accordance with the Manual, and mark a point thereof on a peg driven in the ground, 5.00 chs. N. of the cor.

At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Pol. 1° 34.4' to the west, and mark the mer. thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.41 ins. east of the mark determined with the solar.

At 7 h 3 m a.m., l.m.t., I set off  $38^{\circ} 58' N.$ , on the lat. arc;  $23^{\circ} 06' N.$ , on the decl. arc; and mark the mer. determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor. ; this mark falls 0.39 ins. east of the mer. established by Pol. obsn.

The solar apparatus by p.m. and a.m. obsns. defines positions for meridians respectively about 0'22" west and 0'21" east of the mer. established by obsn. on Pol.; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the mer. at 7 h 30 m a.m., is N.  $16^{\circ} 36' W.$ , the angle thus determined, gives the mag. decl.  $16^{\circ} 36' E.$

---

N.  $89^{\circ} 43' E.$ , on a random line bet. secs. 15 and 22.

40.00 Set temp.  $\pm$  sec. cor.

80.04 Intersect N. and S. line, 23 lks. N. of the cor. of secs. 14, 15, 22, and 23.

Thence I run

S.  $89^{\circ} 53' W.$ , on a true line bet. secs. 15 and 22.

Over mountainous land ; through scattering timber and scattering undergrowth.

Asc.

6.00 Top of ridge, 25 ft. above sec. cor., bears N.  $30^{\circ} W.$  and S.

Subdivision of T.6 S., R.6 W.-Continued.

Chs.	30° E.
	Desc.
24.00	Bottom of hollow, 100 ft. below ridge, course SE.
	Asc.
28.00	Leave timber, bears N.30° E. and S.30° W.
37.00	Top of ridge, 100 ft. above hollow, bears N.30° E. and S.30° E.
	Desc.
40.02	Set a sandstone, 18x10x2 ins., 12 ins. in the ground, for 1/2 sec.cor.. mkd. x on N. face; dig pits, 18x18x12 ins. E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3 ft. base, 1 1/2 ft. high, N. of cor.
47.50	Bottom of hollow, 100 ft. below ridge, course S. 20° E.
	Asc.
57.00	Enter scattering timber, bears N.30° W. and S.30° E.
59.00	Leave timber, bears N.30° W. and S.30° E.
70.50	Top of ridge, 200 ft. above hollow, bears N.40° E. and S.40° W.
	Desc.
80.04	The cor. or secs. 15, 16, 21, and 22. Land, mountainous. Soil, gravelly and white clay; 3rd rate. Timber, pinon pine. Undergrowth, sage brush. Good grass for grazing. Mountainous land, 80.04 chs.
	N.0° 2' W., bet. secs. 15 and 16.
	Cver mountainous land; through dense undergrowth.
	Desc.
24.00	Bottom of hollow, 500 ft. below rec.cor., course N.30° E.
	Asc.
40.00	Set a sandstone, 24x12x4 ins., 18 ins. in the ground, for

Subdivision of T 6 S R 6 W -Continued

Chs.	<p><math>\frac{1}{4}</math> sec.cor., mkd. <math>\frac{1}{4}</math> on W. face; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. or cor.</p>
44.50	<p>Top of ridge, 100 ft. above hollow, bears NE and SW. Enter scattering timber, bears with ridge,</p>
	<p>Desc.</p>
55.00	<p>Bottom of branch of Sower's Canon, 200 ft. below ridge, course N. <math>60^{\circ}</math> E. Asc.</p>
56.00	<p>Leave timber, bears N. <math>60^{\circ}</math> E. and S. <math>60^{\circ}</math> W.</p>
79.00	<p>Enter heavy timber, bears E. and W.</p>
80.00	<p>Set a sandstone, 16x10x4 ins., 11 ins. in the ground, for cor. of secs. 9, 10, 15, and 16, mkd. with 4 notches on S. and 3 notches on E. edges; from which</p> <p>A pinon pine, 14 ins. dia., bears N. <math>34^{\circ}</math> E., 45 lks. dist., mkd. T 6 S R 6 W S 10 B T.</p> <p>A pinon pine, 12 ins. dia., bears S. <math>66^{\circ}</math> E., 85 lks. dist., mkd. T 6 S R 6 W S 15 B T.</p> <p>A pinon pine, 11 ins. dia., bears S. <math>6^{\circ}</math> W., 50 lks. dist., mkd. T 6 S R 6 W S 16 B T.</p> <p>A pinon pine, 10 ins. dia., bears N. <math>68^{\circ}</math> W., 55 lks. dist., mkd. T 6 S R 6 W S 9 B T.</p> <p>Land, mountainous.</p> <p>Soil, gravelly; 3rd rate.</p> <p>Timber, pinon pine.</p> <p>Undergrowth, sage brush.</p> <p>Good grass for grazing.</p> <p>Mountainous land, or land covered with dense undergrowth, 80.00 chs.</p>
40.00	<hr/> <p>N. <math>80^{\circ} 53'</math> E., on a random line bet. secs. 10 and 15 Set temp. <math>\frac{1}{4}</math> sec.cor.</p>
80.26	<p>Intersect N. and S. line, 14 lks. N. or the cor. of secs. 10, 11, 14, and 15.</p> <p>Thence 1 run</p>

Subdivision of T 6 S R 6 W -Continued

- |       |                                                                                                                                                                                                                                                  |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chs.  | S. $89^{\circ} 59' W.$ , on a true line bet. secs. 10 and 16.<br>Over mountainous land; through dense undergrowth.<br>Desc.                                                                                                                      |
| 16.00 | Bottom of hollow, 100 ft. below sec. cor., course N. $10^{\circ} W.$<br>Asc.                                                                                                                                                                     |
| 25.00 | Top of ridge, 120 ft. above hollow, bears N. $10^{\circ} E.$ and S. $10^{\circ} W.$<br>Desc.                                                                                                                                                     |
| 40.13 | Set a sandstone, $16 \times 14 \times 3$ ins., 11 ins. in the ground, for<br>$\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone,<br>2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor..                              |
| 44.60 | Enter scattering timber, bears N. and S.                                                                                                                                                                                                         |
| 52.00 | Bottom of branch of Sower's Canon, 400 ft. below ridge,<br>course NE. Asc.                                                                                                                                                                       |
| 80.26 | The cor. of secs. 9, 10, 15, and 16.<br>Land, mountainous.<br>Soil, gravelly; 3rd rate.<br>Timber, pinon pine.<br>Undergrowth, sage brush.<br>Good grass for grazing.<br>Mountainous land, or land covered with dense undergrowth,<br>80.26 chs. |
|       | June 11, 1904: At this cor. I set off $43^{\circ} 06' N.$ , on the decl.<br>arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the<br>mer. the resulting lat. is $39^{\circ} 58' N.$ which is the proper<br>lat. nearly.                     |
|       | <hr/><br>N. $0^{\circ} 2' W.$ , bet. secs. 9 and 10.<br>Over mountainous land; through heavy timber.<br>Asc.   <br>3.00 Top of ridge, 50 ft. above sec. cor., bears N. $70^{\circ} E.$ and S. $70^{\circ} W.$<br>Desc.                           |

Subdivision of T 6 S R 6 W -Continued

Chs.	
4.00	Leave timber,bears N.70° E.and S.70° W.
7.00	Enter heavy timber,bears E.and W.
14.00	Leave timber,bears E.and W.
15.50	Bottom of hollow,300 ft.below ridge,course N.75° E.
	Asc.
34.00	Top of ridge, 300 ft.above hollow,bears N.60° E and S.60° W. Divide bet. Cottonwood and Sower's Canons.
	Desc.
40.00	Set a sandstone,18x14x6 ins.,12 ins.in the ground,for sec.cor.,mkd. on W.face;from which A red pine,3 ins.dia.,bears N.20° E.,160 lks. dist.,mkd. S 10 B T. A red pine,3 ins.dia.,bears N.20° W.,110 lks. dist..mkd. S 9 B T.
43.00	Enter heavy timber,bears NW and SE.
46.00	Leave timber,bears N W and SE.
80.00	Set a sandstone,18x9x7 ins.,12 ins.in the ground,for cor.of secs.3,4,9, and 10,mkd.with 5 notches on S.and 3 notches on E.edges;and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high,W.of cor. Land,mountainous. Soil,gravelly and white clay;3rd rate. Timber,pinon pine, and red pine. Good grass for grazing. Mountainous or heavily timbered land,80.00 chs.
40.00	N.89° 59'E.,on a random line betsecs.3 and 10. Set temp. sec.cor.
80.30	Intersect N.and S.line,21 lks.N.of the cor.of secs. 2,3,10, and 11. Thence I run N.89° 52'W.,on a true line betsecs.3 and 10.

Subdivision of T. 6 S., R. 6 W.--Continued.

Chs.	Over mountainous land; through scattering timber.
	Asc.
8.00	Leave timber, bears N. and S.
10.00	Top of ridge, 50 ft. above sec. cor., bears N. 40° E. and S. 40° W. Divide bet. Cottonwood and Scwer's Canons.
	Desc.
27.00	Bottom of hollow, 200 ft. below ridge, course N. 50° W.
	Asc.
34.00	Top of ridge, 150 ft. above hollow, bears N. 65° W. and S. 65° E.
	Desc.
40.15	Set a sandstone, 16x8x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\pm$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
48.00	Bottom of hollow, 150 ft. below ridge, course N. 40° W.
	Asc.
52.00	Top of ridge, 100 ft. above hollow, bears N. 30° W. and S. 30° E.
	Desc.
68.00	Bottom of hollow, 200 ft. below ridge, course N. 20° W.
	Asc.
80.30	The cor. of secs. 3, 4, 9, and 10. Land, mountainous. Soil, gravelly and white clay; 3rd rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous land, 80.30 chs.
	N. 0° 2' W., on a random line bet. secs. 3 and 4.
40.00	Set temp. $\pm$ sec. cor.
80.20	Intersect N. bdy. of Tp., at the cor. of secs. 3, 4, 33, and 34, heretofore described. Thence I run

Subdivision of T. 6 S., R. 6 E.-Continued.

Chs.	S.0°02'E., on a true line bet. secs. 3 and 4. Over mountainous land; through heavy timber.
Asc.	
23.00	Leave heavy and enter scattering timber and scattering undergrowth, bears E. and W.
39.00	Top of ridge, 300 ft. above sec. cor., bears N.60°E. and S.60°W. Divide bet. Cottonwood and Indian Canons.
Desc.	
40.20	Set a sandstone, 20x8x4 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; from which  A cedar, 5 ins. dia., bears N.35°E., 35 lks. dist. mkd. $\frac{1}{4}$ S 3 B T.  A pinon pine, 16 ins. dia., bears S.35°W., 40 lks. dist. mkd. $\frac{1}{4}$ S 4 B T.  Enter heavy timber, bears N.60°E. and S.60°W.
64.00	Bottom of Cottonwood, Canon, 600 ft. below ridge, course N.60°E. Leave timber, bears with canon.
	Ascend.
71.00	Enter heavy timber, bears N.60°E. and S.60°W.
74.00	Leave timber, bears N.60°E. and S.60°W.
80.20	The cor. of secs. 3, 4, 9, and 10.  Land, mountainous.  Soil, gravelly and white clay; 3rd rate.  Timber, pinon pine and cedar.  Undergrowth, sage brush.  Good grass for grazing.  Mountainous or heavily timbered land, 80.20 chs.

June 11, 1904.

---

June 12, 1904: At 7 h 2 m a.m., l.m.t., I set off 39°55'N., on the lat. arc; 23°10'N., on the decl. arc; and determine a

Subdivision of T 6 S R 6 W -Continued

Chs. mer. with the solar, at the cor. of secs., 4, 5, 32, and 33, on S. bdy. of Tp., heretofore described.

Thence I run

N. 0° 03' W., bet. secs. 32 and 33.

Over mountainous land; through heavy timber.

Desc.

32.00 Bottom of hollow, 600 ft. below ridge, course N. 45° E.

Ascend.

40.00 Set a sandstone, 20x8x4 ins., 15 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face; from which

A. pinon pine, 12 ins. dia., bears S. 65° E., 200 lks.  
dist.. mkd.  $\frac{1}{4}$  S 32 B.T.

B. pinon pine, 14 ins. dia., bears N. 75° W., 150  
lks. dist.. mkd.  $\frac{1}{4}$  S 32 B.T.

44.00 Top of ridge, 150 ft. above hollow, bears NE and SW.

Desc.

63.00 Bottom of hollow, 400 ft. below ridge, course N. 75° E.

Asc.

71.00 Top of ridge, 200 ft. above hollow, bears N. 70° E. and S. 70° W.

Desc.

80.00 Set a sandstone, 16x10x6 ins., 11 ins. in the ground, for cor. of secs. 28, 29, 32, and 33, mkd. with 1 notch on S. and 4 notches on E. edges; and raise a mound of stone, 2 ft. base,  $\frac{1}{2}$  ft. high, W. of cor. No trees suitable for marking within limit. Land, mountainous.

Soil, gravelly and white clay; 3rd rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

East, on a random line bet. secs. 28 and 33.

Subdivision of T 6 S R 6 " -Continued

- Chs.
- 40.00 Set temp.  $\frac{1}{2}$  sec.cor.
- 60.22 Intersect N. and S.line, 2 lks.N. of the cor.of secs.27,28, 33, and 34.  
Thence I run  
N.89° 59' W., on a true line bet.secs.28 and 33.  
Over mountainous land:
- Desc.
- .70 Wash, 100 lks.wide, 10 ft.deep, course N., in bottom of hollow, 10 ft.below sec.cor., course N.
- Asc.
- 9.10 Top of ridge, 100 ft.above hollow, bears N.and S.  
Desc.
- 21.00 Bottom of hollow, 150 ft.below ridge, course N.15° E.  
Asc.
- 26.00 Top of ridge, 125 ft.above hollow, bears N.15° E.and S. 15° W.  
Desc.
- 35.00 Pole fence, bears N.75° E.and S.75° W.  
Foot of descent, 100 ft.below ridge, enter bottom of Sower's Canon, bears N.75° E.and S. .75° W.  
Enter dense undergrowth, bears N.75° E.and S.75° W.
- 40.11 Set a sandstone, 16x10x6 ins., 11 ins.in the ground, for  $\frac{1}{2}$  sec.cor., mkd. $\frac{1}{2}$  on N.face; and raise a mound of stone, 2 ft.base, 1 $\frac{1}{2}$  ft.high, N.of cor.
- 42.50 Wash, 20 lks.wide, 5 ft.deep, course N.10° E.  
Leave canon bottom, bears N.10° E and S.10° W.  
Ascend .
- 52.60 Pole fence, bears N.15° E.and S.15° W.  
Enter heavy timber and leave undergrowth, bears N.15° E.and S.15° W.
- 63.50 Top of ridge, 100 ft.above hollow, bears N.15° E.and S. 15° W.  
Desc.

## Subdivision of T. 6 S. R. 6 W. -Continued

Chs.	
66.50	Bottom of hollow, 50 ft. below ridge, course N. 15° E.
	Asc.
70.60	Top of ridge, 50 ft. above hollow, bears N. and S.
	Desc.
80.22	The cor. of secs. 28, 29, 32, and 33.
	Land, mountainous and level.
	Soil, gravelly loam and white clay; 2nd and 3rd rate.
	Timber, pinon pine.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, or land covered
	with dense undergrowth, 80.22 chs.
	<hr/>
	N. 0° 3' W., bet. secs. 28 and 29.
	Over mountainous land; through scattering timber, and
	scattering undergrowth.
	Desc.
4.00	Foot of descent, wash, 6 ft. deep, 30 ft. wide, in bottom
	of Sower's Canon, course N. 70° E.
	Asc. gently.
12.00	Begin steep ascent, bears E. and W.
20.00	Top of ridge, 200 ft. above canon, bears N. 80° W. and S. 80°
	E.
	Desc.
28.00	Bottom of hollow, 150 ft. below ridge, course S. 80° E.
	Asc.
40.00	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for
	sec. cor., mkd. $\frac{1}{2}$ on W. face; and raise a mound of stone,
	2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
49.00	Enter heavy timber, bears E. and W.
80.00	Set a sandstone, 20x17x4 ins., 15 ins. in the ground, for

Subdivision of T. 6 S., R. CW.-Continued.

Chs.	cor. of secs. 20, 21, 28, and 29, mkd. with 2 notches on S. and 4 notches on E. edges; from which
	A pinon pine, 18 ins. dia., bears N. $60^{\circ}$ E., 125 lks. dist., mkd. T 6 S R 6 W S 21 B T.
	A red pine, 14 ins. dia., bears S. $30^{\circ}$ E., 50 lks. dist., mkd. T 6 S R 6 W S 26 B T.
	A white pine, 30 ins. dia., bears S. $30^{\circ}$ W., 170 lks. dist., mkd. T 6 S R 6 W S 29 B T.
	A pinon pine, 12 ins. dia., bears N. $40^{\circ}$ W., 75 lks. dist., mkd. T 6 S R 6 W S 20 B T.
	Land, mountainous.
	Soil, gravelly and white clay; 3rd rate.
	Timber, pinon pine, red pine, and white pine.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.
	June 12, 1904: At this cor. I set off $23^{\circ} 10' N.$ , on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is $39^{\circ} 57' N.$ , which is the proper lat. nearly.
40.00	S. $89^{\circ} 59' E.$ , on a random line bet. secs. 21 and 28.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
80.46	Intersect N. and S. line, 19 lks. & of the cor. of secs. 21, 22, 27, and 28.
	Thence I run
	S. $89^{\circ} 53' W.$ , or a true line bet. secs. 21 and 28.
	Over mountainous land; through heavy timber.
	Desc.
13.00	Bottom of hollow, 300 ft. below sec. cor., course S. $15^{\circ}$ E.
	Leave timber and enter dense sage brush, bears N. $15^{\circ}$ W. and S. $15^{\circ}$ E.
	Asc.

Subdivision of T 6 S R 6 W -Continued.

Chs.	
23.00	Enter scattering timber, bears N. and S.
30.00	Enter heavy timber, bears N. and S.
40.23	Set a limestone, 16x10x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec.cor. mkd. $\frac{1}{4}$ on N. face; from which A red pine, 6 ins. dia., bears N. $19^{\circ}$ W., 50 lks. dist., mkd. $\frac{1}{4}$ S 21 B T. A red pine, 5 ins. diam., bears S. $40^{\circ}$ E., 6 lks. dist. mkd. $\frac{1}{4}$ S 28 B T.
70.00	Top of ridge, 800 ft. above hollow, bears N. $40^{\circ}$ W. and S. $40^{\circ}$ E. Desc.
80.46	The cor. of secs. 20, 21, 28, and 26. Land, mountainous. Soil, gravelly loam and white clay; 2nd and 3rd rate. Timber, red pine, pinon pine, and white pine. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.46 chs.
	<hr/>
	N. $0^{\circ} 3' W.$ , bet. secs. 20 and 21. Over mountainous land; through heavy timber. Asc.
12.00	Top of ridge, 200 ft. above sec.cor., bears N. $80^{\circ}$ E. and S. $80^{\circ}$ W. Leave timber, bears with ridge. Desc.
50.00	Enter scattering timber, bears E. and W.
34.00	Bottom of hollow, 150 ft. below ridge, course N. $55^{\circ}$ E. Asc.
40.00	Set a sandstone, 20x9x5 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec.cor. mkd. $\frac{1}{4}$ on W. face; from which A red pine, 8 ins. dia., bears S. $45^{\circ}$ E., 65 lks. dist. mkd. $\frac{1}{4}$ S 21 B T.

Subdivision of T. 6 S., R. 6 W.-Continued.

Chs. : A red pine, 22 ins. dia., bears S. 30° E., 28 lks.  
dist.. mkd.  $\frac{1}{2}$  S 20 B T.

46.00 Leave timber, bears E. and W.

48.00 Enter dense undergrowth, bears E. and W.

62.00 Enter heavy timber, bears E. and W.

64.00 Top of ridge, 130 ft. above hollow, bears NE and SW.

Desc.

80.00 Set a sandstone, 18x6x4 ins., 12 ins. in the ground, for  
cor. of secs. 16, 17, 20, and 21, mkd. with 3 notches on S.  
and 4 notches on E. edges; from which

A pinon pine, 4 ins. dia., bears N. 75° E., 170  
lks. dist.. mkd. T 6 S R 6 W S 16 B T.

bears  
A red pine, 10 ins. dia., S. 45° E., 100 lks. dist.,  
mkd. T 6 S R 6 W S 21 B T.

A red pine, 9 ins. dia., bears S. 50° W., 160 lks.  
dist.. mkd. T 6 S R 6 W S 20 B T.

A red pine, 10 ins. dia., bears N. 50° W., 165 lks.  
dist. mkd. T 6 S R 6 W S 17 B T.

Land, mountainous.

Soil, white clay and gravelly; 3rd rate.

Timber, pinon pine, and red pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered  
with dense undergrowth, 80.00 chs.

---

N. 89° 53' E., on a random line bet. secs. 16 and 21.

40.00 Set temp.  $\frac{1}{2}$  sec. cor.

80.22 Intersect N. and S. line, 21 lks. N. of the cor. of secs.  
15, 16, 21, and 22.

Thence I run

N. 89° 58' W., on a true line bet. secs. 16 and 21.

Subdivision of T 6 S .R 6 W -Continued

Chs.	Over mountainous land; through scattering sage brush.
Desc.	
5.00	Bottom of hollow, 50 ft. below sec.cor., course N.12° E. Enter heavy timber, bears. with hollow.
Asc.	
25.00	Leave timber and enter dense undergrowth, bears N.30° E. and S.30° W.
29.00	Top of ridge, 150 ft. above hollow, bears N.20° E. and S.20° W.
Desc.	
36.00	Enter heavy timber and leave undergrowth, bears N.30° E. and S.30° W.
40.11	Set. a sandstone, 15 x 12x4. ins., 10. ins. in the ground, for $\frac{1}{4}$ sec.cor., mkd. $\frac{1}{4}$ on N. face; from which A red pine, 7 ins. dia., bears N.45° W., 125 lks. dist., mkd. $\frac{1}{4}$ S 16 B T. A red pine, 5 ins. dia., bears S.36° W., 115 lks. dist.. mkd. $\frac{1}{4}$ S 21 B T.
45.00	Bottom of hollow, 200 ft. below ridge, course N.20E.
Asc.	
49.00	Leave timber, bears N. and S.
54.00	Top of ridge, 100 ft. above hollow, bears N.20° E. and S.20° W.
Desc.	
75.00	Enter heavy timber, bears N. and S.
80.22	The cor.of secs. 16, 17, 20, and 21. Land, mountainous. Soil, gravelly and white clay; 3rd rate. Timber, pinon pine, and red pine. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.22 chs.

June 12, 1904:

Subdivision of T 6 S R 6 W -Continued

Chs.

June 13, 1904: At 7 h 2 m a.m., l.m.t., I set off  $39^{\circ} 58' N.$ , on the lat.arc;  $23^{\circ} 14' N.$ , on the decl.arc; and determine a mer. with the solar, at the cor. of secs. 16, 17, 20, and 21.

Thence I run

$N.0^{\circ} 3' W.$ , bet. secs. 16 and 17.

Over mountainous land; through scattering timber.

Desc.

15.00 Bottom of hollow, 75 ft. below sec.cor., course N. $25^{\circ} E.$

Asc.

40.00 Set a sandstone, 12x12x6 ins., 8 ins. in the ground, for  $\frac{1}{2}$  sec.cor., mkd.  $\frac{\pi}{4}$  on W. face; from which

An aspen, 4 ins. dia., bears N. $10^{\circ} E.$ , 55 lks.

dist.. mkd.  $\frac{\pi}{4}$  S 16 B T.

An aspen, 4 ins. dia., bears S. $15^{\circ} W.$ , 40 lks.

dist.. mkd.  $\frac{\pi}{4}$  S 17 B T.

48.00 Top of divide ridge, between Cottonwood and branch of Sower's Canon, 250 ft. above hollow, bears N. $35^{\circ} E.$  and S. $35^{\circ} W.$

Desc.

80.00 Set a sandstone, 16x14x4 ins., 11 ins. in the ground, for cor.of secs. 8, 9, 16, and 17, mkd. with 4 notches on S. and 4 notches on E.edges; from which

A pinon pine, 6 ins. dia., bears N. $55^{\circ} E.$ , 30 lks.

dist.. mkd. T 6 S R 6 W S 9 B T.

A pinon pine, 4 ins. dia., bears S. $65^{\circ} E.$ , 225 lks.

dist.. mkd. T 6 S R 6 W S 16 B T.

A red pine, 12 ins. dia., bears S. $56^{\circ} W.$ , 450 lks.

dist.. mkd. T 6 S R 6 W S 17 B T.

A pinon pine, 8 ins. dia., bears N. $45^{\circ} W.$ , 150 lks.

dist.. mkd. T 6 S R 6 W S 8 B T.

Land, mountainous.

Soil, gravelly and white clay; 3rd rate.

Timber, pinon pine, aspen, and red pine.

- Good grass for grazing.
- Mountainous land, 80.00 chs.
- 
- S. 89° 58' E., on a random line bet. secs. 9 and 16.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.02 Intersect N. and S. line, 12 lks. S. of the cor. of secs. 9, 10, 15, and 16..
- Thence I run
- S. 89° 57' W., on a true line bet. secs. 9 and 16.
- Over mountainous land; through heavy timber.
- Asc.
- 3.00 Leave heavy and enter scattering timber, bears N. and S.
- 5.00 Leave timber, bears NE. and SW.
- Enter scattering sage brush, bears NE and SW.
- 10.00 Top of spur, 80 ft. above sec. cor., bears N. 70° E. and S. 70° W.
- Desc.
- 15.00 Enter heavy aspen timber, bears NE and SW.
- 29.00 Bottom of hollow, 75 ft. below spur, course N. 65° E., Asc.
- 36.00 Leave timber, bears N. and S.
- 39.00 Top of ridge; 125 ft. above hollow, bears NE and SW.
- Desc.
- 40.01 Set a sandstone, 16x11x3 ins., 11 ins. in the ground, for  $\frac{1}{4}$  sec. cor. mkd.  $\frac{1}{4}$  on N. face; dig pits, 18x18x12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.
- 42.00 Enter burnt timber, bears NE and SW.
- 56.00 Leave burnt timber and enter scattering red pine timber, bears N. 30° W. and S. 30° E.
- 58.00 Leave timber, bears N. 30° W. and S. 30° E.
- 68.50 Bottom of hollow, 250 ft. below ridge, course N.

Subdivision of T 6 S -R 6 W -Continued

Chs.	Enter heavy aspen timber,bears N.and S.
	Asc.
70.00	Leave timber,bears N.30° E. and S.30° W.
76.00	Top of spur,250 ft.above hollow,bears N.and S.
	Desc.
78.00	Enter scattering timber,bears N.and S.
80.02	The cor.of secs.8,9,16, and 17. Land,mountainous. Soil,gravelly loam and white clay;2nd and 3rd rate. Timber,aspen,red pine and pinon pine. Undergrowth,sage brush. Good grass for grazing. Mountainous or heavily timbered land,80.02 chs.
	<hr/>
	N.0° 3'W.,betsecs.8 and 9. Over mountainous land;through scattering timber. Desc.
5.00	Leave timber,bears E.and W.
40.00	Set a sandstone,16x7x4 ins.,11 in.in the ground,for a sec.cor..mkd. on V.face;and raise a mound of stone, .2 ft.base,1½ ft.high,W.of cor.
53.00	Bottom of Cottonwood Canon,500 ft.below sec.cor.,course N.60° E.
	Note:A corral bears S.45° W.,about 6.00 chs.dist.
	Asc.
59.00	Enter heavy timber,bears N.60° E. and S.60° W.
80.00	Set a sandstone,18x9x4 ins.,12 ins.in the ground,for cor.of secs.4,5,8, and 9,mkd.with 5 notches on S. and 4 notches on E.edges;from which A pinon pine,6 ins.dia.,bears N.13° E.,65 lks. dist.mkd.T 6 S-R 6 W S 4 B T. A pinon pine,10 ins.dia.,bears S.28° E.,115 lks/ dist. mkd.T 6 S R 6 W S 9 B T.

Subdivision of T. 6 S. C.R. 6 W. -Continued.

Chs.	A red pine, 4 ins. dia., bears S. 50° E., 20 lks. dist. mkd. T. 6 S. R. 6 W. S. S. B. T. A. pinon pine, 6 ins. dia., bears N. 12° W., 50 lks. dist. mkd. T. 6 S. R. 6 W. S. S. B. T. Land, mountainous. Soil, gravelly; 3rd rate. Timber, red pine and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.00 chs. June 13, 1904 : At this cor. I set off 23° 14' W., on the decl. arc; and at 6 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is 39° 59' N., which is the proper lat. nearly.
	N. 89° 57' E., on a random line bet. secs. 4 and 9.
40.00	Set temp. & sec. cor.
80.06	Intersect N. and S. line, 21 lks. S. of the cor. of secs. 3, 4, 9, and 10. Thence I run S. 89° 48' W., on a true line bet. secs. 4 and 9. Over mountainous land; through scattering timber. Asc.
10.00	Top of ridge, 50 ft. above sec. cor., bears N. and S. Desc.
30.00	Bottom of Cottonwood Canon, 400 ft. below spur, course N. 60° E. Asc.
36.00	Leave scattering timber; bears N. 60° E. and S. 60° W.
40.03	Set a sandstone, 22x6x4 ins., 16 ins. in the ground, for & sec. cor., mkd. & on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. or cor.
80.06	The cor. or secs. 4, 5, 8, and 9.

## Subdivision of T. 6 S. R. 6 W. -Continued

Chs.	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, Pinon pine and cedar.
	Good grass for grazing.
	Mountainous land, 80.06 chs.
	N. 0° 3' W., on a random line bet. secs. 4 and 5.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.46	Intersect N. bdy. of Tp., 12 lks. $\Delta$ . of the cor. of secs. 4, 5, 32, and 33, heretofore described. S. 89° 59' E.
	Thence I run S. 0° 8' E., on a true line bet. secs. 4 and 5.
	Over mountainous land; through heavy timber.
	Asc.
5.00	Top of ridge, 100 ft. above sec. cor., bears NW and SE.
	Desc.
12.00	Bottom of hollow, 200 ft. below ridge, course $\frac{1}{4}$ .
	Asc.
29.50	Top of same ridge, 200 ft. above hollow, bears N. 35° E. and S. 35° W.
	Desc.
40.46	Set a sandstone, 16x11x3 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor.. mkd. $\frac{1}{4}$ on W. face; from which A pinon pine, 4 ins. dia., bears N. 34° E., 47 lks. dist.. mkd. $\frac{1}{4}$ S 4 B T. A pinon pine, 8 ins. dia., bears S. 33° W., 45 lks. dist.. mkd. $\frac{1}{4}$ S 5 B T.
41.50	Bottom of hollow, 150 ft. below ridge, course N. 35° E. Leave heavy and enter scattering timber.
	Asc.
47.00	Leave timber, bears E. and W.
66.00	Enter heavy timber, bears NW and SE.
68.00	Leave timber, bears NW and SE.

2000 11 300

Subdivision of T. 6 S R 6 W -Continued

Chs.	
77.50	Top of divide ridge between Cottonwood and left hand fork of Indian Canon, 400 ft. above hollow, bears N. $80^{\circ}$ E. and S. $80^{\circ}$ W.
	Desc.
79.40	Enter heavy timber, bears E. and W.
80.46	The cor. of secs. 4, 5, 8, and 9. Land, mountainous. Soil, gravelly; 3rd rate. Timber, red pine, pinon pine, and mahogany. Good grass for grazing. Mountainous or heavily timbered land, 80.46 chs.

June 13, 1904.

---

June 14, 1904: At 7 h 2 m a.m., l.m.t., I set off $39^{\circ} 55' N.$ , on the lat. arc; $23^{\circ} 17' N.$ , on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 5, 6, 31, and 32, on S. bdy. of Tp., heretofore described.
Thence I run
$N. 0^{\circ} 3' W.$ , bet. secs. 31 and 32.
Over mountainous land; through dense undergrowth.
Asc.
10.00 Top of ridge, 150 ft. above sec. cor., bears NW and SE.
Desc.
14.00 Bottom of hollow, 100 ft. below ridge, course NW.
Asc.
14.25 Enter scattering timber, bears NW and SE.
33.00 Top of spur, 100 ft. above hollow, bears NW and SE.
Desc.
40.00 Set a sandstone, 20x8x5 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\pm$ on W. faces; from which

Subdivision of T 6 S R 6 W -Continued

- Chs. A red pine, 10 ins. dia., bears N. 60° E., 200 lks.  
dist.. mkd.  $\frac{1}{4}$  S 32 B T.
- A pinon pine, 8 ins. dia., bears N. 60° W., 60 lks.  
dist.. mkd.  $\frac{1}{4}$  S 31 B T.
- 65.00 Bottom of canon, 250 ft. below ridge, course NE :  
Asc.
- 68.00 Top of ridge, 60 ft. above hollow, bears NE and SW.  
Desc.
- 70.00 Wash, 20 lks. wide, 5 ft. deep, in bottom of Sower's Canon,  
40 ft. below ridge, course N. 80° E.  
Asc.
- 80.00 Set a sandstone, 15x9x8 ins., 10 ins. in the ground, for  
cor. of secs. 29, 30, 31, and 32, mkd. with 1 notch on S. and  
5 notches on E. edges; from which
- A pinon pine, 6 ins. dia., bears N. 60° E., 25 lks.  
dist.. mkd. T 6 S R 6 W S 29 B T.
- A pinon pine, 16 ins. dia., bears S. 50° E., 150 lks.  
dist.; mkd. T 6 S R 6 W S 32 B T.
- A pinon pine, 8 ins. dia., bears S. 45° W., 125 lks.  
dist.. mkd. T 6 S R 6 W S 31 B T.
- A pinon pine, 12 ins. dia., bears N. 35° W., 130 lks.  
dist.. mkd. T 6 S R 6 W S 30 B T.
- Land, mountainous .
- Soil, gravelly; 3rd rate.
- Timber, Pinon pine, and red pine.
- Undergrowth, sage brush.
- Good grass for grazing.
- Mountainous land, or land covered with dense undergrowth,  
80.00 chs.
- 
- East, on a random line bet. secs. 29 and 32.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.24 Intersect N. and S. line, 21 lks. S. of the cor. of secs.

## Subdivision of T 6 S R 6 W -Continued

- Chs. 28, 29, 32, and 33.
- Thence I run  
S.  $89^{\circ} 51' W.$ , on a true line bet. secs. 29 and 32.  
Over mountainous land; through scattering timber and dense buck and service berry brush.
- Desc.
- 15.00 Foot of descent, 100 ft. below sec. cor., bears N.  $80^{\circ} E.$  and S.  $80^{\circ} W.$   
Enter bottom of Sower's Canon.  
Leave timber and buck and service berry brush, and enter dense sage brush, bears N.  $80^{\circ} E.$  and S.  $80^{\circ} W.$
- 15.25 Wash, 30 lks. wide, 5 ft. deep, course N.  $80^{\circ} E.$
- 17.00 Leave canon bottom, bears N.  $80^{\circ} E.$  and S.  $80^{\circ} W.$
- Asc.
- 40.12 Set a limestone, 20x10x4 ins., 15 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- 70.50 Top of ridge, 200 ft. above canon, bears N. and S.
- Desc.
- 71.00 Enter scattering pinon pine timber, bears N. and S.
- 80.24 The cor. of secs. 29, 30, 31, and 32.  
Land, mountainous.  
Soil, gravelly and white clay; 3rd rate.  
Timber, pinon pine.  
Undergrowth, sage brush, buck brush, and service berry brush.  
Good grass for grazing.  
Mountainous land, or land, covered with dense undergrowth, 80.24 chs.
- 
- West, on a random line bet. secs. 30 and 31.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 78.90 Intersect W. bdy. of Tp., 12 lks., N. of the cor. of secs.

Subdivision of T<sup>1</sup> S<sup>1</sup> R<sup>6</sup> W -Continued

Chs.	25,30,31, and 36, heretofore described.
	Thence I run N.89° 55' E., on a true line bet. secs. 30 and 31.
	Over mountainous land; through dense undergrowth.
	Desc. along side of ridge.
10.00	Enter scattering timber, bears N. and S.
16.00	Enter heavy timber, bears N. and S. and leave undergrowth.
34.00	Leave heavy timber and enter scattering undergrowth, bears N. and S.
38.90	Set a limestone, 18x8x3 ins., 12 ins. in the ground, for sec.cor.. mkd. $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
51.00	Bottom of hollow, 500 ft. below sec.cor., course S.60° E. Enter scattering timber, bears with hollow. Asc.
78.90	The cor. of secs. 29, 30, 31, and 32. Land, mountainous; Soil, gravelly; 3rd rate. Timber, pinon pine. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 78.90 chs..
	June 14, 1904: At this cor. I set off 23° 17' N., on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is 39° 56' N., which is the proper lat. nearly.
	N.0° 3' W., bet. secs. 29 and 30. Over mountainous land; through scattering pinon pine timber. Asc. gradually.
9.00	Begin abrupt ascent, bears E. and W.
37.00	Top of ridge, 800 ft. above cor., bears E. and W.

Subdivision of T.6 S., R.6 W.-Continued.

Chs.	Desc.
40.00	Set a sandstone, 14x8x6 ins., 9 ins. in the ground, for 1/4 sec. cor., mkd. $\frac{1}{4}$ on W. face; from which A pinon pine, 9 ins. diam., bears N. 60° E., 19 lks. dist.. mkd. $\frac{1}{4}$ S 29 B T. A pinon pine, 10 ins. dia., bears S. 20° W., 70 lks. dist.. mkd. $\frac{1}{4}$ S. 30 B T.
41.50	Bottom of hollow, 60 ft. below ridge, course E. Asc.
46.00	Top of ridge, 70 ft. above hollow, bears N. 80° W. and S. 80° E. Desc.
57.00	Bottom of canon, 200 ft. below ridge, course E. Asc.
67.00	Top of ridge, 300 ft. above hollow, bears E. and W. Desc.
80.00	Set a sandstone, 14x8x4 ins., 19 ins. in the ground, for cor. of secs. 19, 20, 29, and 30, mkd. with 2 notches on S. and 5 notches on E. edges; from which A pinon pine, 5 ins. dia., bears N. 60° E., 100 lks. dist.. mkd. T 6 S R 6 W S 20 B T. A red pine, 10 ins. dia., bears S. 30° E., 100 lks. dist.. mkd. T 6 S, R 6 W S 29 B T. A red pine, 8 ins. dia., bears S. 20° W., 90 lks. dist.. mkd. T 6 S R 6 W S 30 B T. A red pine, 12 ins. dia., bears N. 60° W., 125 lks. dist.. mkd. T 6 S R 6 W S 19 B T.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, pinon pine.
	Good grass for grazing.
	Mountainous land, 80.00 chs. ...., 80.00 chs.

Subdivision of T 6 S .R 6 W -Continued

- Chs. N.89° 51'E.,on a random line bet.secs.20 and 29.
- 40.00 Set temp. at sec.cor.
- 80.12 Intersect N. and S.line,18 lks.N.of cor.of secs.20,21, 28, and 29.  
Thence I run  
S.89° 59'W.,on a true line bet.secs.20 and 29.  
Over mountainous land;through heavy timber.  
Desc.
- 22.50 Leave timber and enter sage brush,bears NW and SE.
- 30.00 Bottom of canon,600 ft.below sec.cor.,course S.40°E.  
Asc.
- 37.74 Enter scattering timber,bears N.and S.
- 40.00 Set a limestone,16x8x4 inc.,11 inc.in the ground,for sec.cor.,mkd.¶ on N.face;from which  
A pinon pine,8 inc.dia.,bears N.25°W.,300 lks.  
dist.,mkd.¶ S 20 B T.  
A red pine,26 inc.dia.,bears S.30°W.,250 lks.  
dist.,mkd.¶ S 20 B T.
- 60.00 Enter heavy timber,bears N.20°W.and S.20°E.
- 65.00 Top of ridge,750 ft.above hollow,bears N.20°E.and S.20°  
E.  
Desc.
- 80.12 The cor.of secs.19,20,28, and 30.  
Land,mountainous.  
Soil,gravelly;3rd rate.  
Timber,pinon pine.  
Undergrowth,sage brush.  
Good grass for grazing.  
Mountainous or heavily timbered land,or land covered  
with dense undergrowth,80.12 chs.

June 14,1904.

Subdivision of T. 6 S. R. 6 W.-Continued.

Chs.	
	June 15, 1904: At 7 h 3 m a.m., l.m.t., I set off $39^{\circ} 57' N.$ , on the lat. arc; $23^{\circ} 20' N.$ , on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 19, 20, 29, and 30.
	Thence I run S. $89^{\circ} 55' W.$ , on a random line bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
78.94	Intersect W. bdy. of Tp., 10 lks. N. of the cor. of secs. 19, 24, 25, and 30, heretofore described.
	Thence I run N. $89^{\circ} 51' E.$ , on a true line bet. secs. 19 and 30. Over mountainous land; through dense undergrowth.
	Asc.
10.00	Top of ridge, 100 ft. above sec. cor., bears N $110^{\circ} E.$ and S. $10^{\circ} W.$ .
	Desc.
25.00	Bottom of hollow, 400 ft. below ridge, course S. $20^{\circ} E.$
	Asc.
31.00	Top of spur, 200 ft. above hollow, bears N. $20^{\circ} W.$ and S. $20^{\circ} E.$
	Desc.
37.50	Bottom of hollow, 150 ft. below ridge, course S. $20^{\circ} E.$
	Asc.
38.94	Set a sandstone, 20x8x5 ins., 15 ins. in the ground, for $\frac{1}{2}$ sec. cor., mkd. $\frac{1}{2}$ on N. face; from which A red pine, 16 ins. dia., bears N. $5^{\circ} W.$ , 40 lks. dist. mkd. $\frac{1}{2}$ S 19 B T. A red pine, 18 ins. dia., bears S. $25^{\circ} E.$ , 60 lks. dist. mkd. $\frac{1}{2}$ S 30 B T.
51.50	Top of ridge, 300 ft. above hollow, bears N. $40^{\circ} W.$ and S. $40^{\circ} E.$
	Desc.
56.00	Enter heavy timber, bears NW and SE.
58.00	Leave timber, bears NW and SE.

Subdivision of T 6 S R 6 W -Continued

Chs.	
68.00	Enter heavy timber,bears NW and SE.
72.00	Bottom of hollow,200 ft.below ridge,course N.20°E. Asc.
78.94	The cor.of secs.19,20,29.and 30. Land,mountainous. Soil,gravelly;3rd rate. Timber,pinen pine. Undergrowth,sage brush. Good grass for grazing. Mountainous or heavily timbered land,or land covered with dense undergrowth,78.94 chs.
	-----
	N.0°3'W.,betsecs.19 and 20.
	Over mountainous land;through heavy timber.
	Desc.
8.50	Bottom of hollow,300 ft.below sec.cor.,course N.75°E. Asc.
19.00	Top of spur,500 ft.above hollow,bears E.and W. Desc.
38.00	Bottom of hollow,200 ft.below spur,course SE. Asc.
40.00	Set a sandstone,20x12x4 ins.,15 ins.in the ground,for sec.cor.,mkd. on W.face;from which A pinon pine,18 ins.dia.,bears N.40°E.,50 lks. dist..mkd. S 20 B T. A pinon pine,10 ins.dia.,bears S.70 °W.,33 lks. dist.mkd. S 19 B T.
49.00	Leave heavy and enter scattering timber,bears NW and SE.
68.00	Top of divide bet.Cottonwood and Sower's. Canon,500 ft. above hollow,bears E.and W. Desc.
69.50	Enter heavy pine timber,bears E.and W.

## Subdivision of T 6 S .R 6 W .--Continued

Chs.

- 77.00 Leave timber, and enter dense sage brush; bears E. and W.
- 78.00 Bottom of hollow, 1150 ft. below ridge, course NE.
- Asc.
- 80.00 Set a sandstone, 16x8x4 ins., 11 ins. in the ground, for cor. of secs. 17, 18, 19, and 20, mkd. with 3 notches on S. and 5 notches on E. edges; from which
- An aspen, 6 ins. dia., bears N. 45° E., 22 lks.  
dist.. mkd. T 6 S R 6 WS 17' B T.
- A balsam, 4 ins. dia., bears S. 45° E., 20 lks.  
dist.. mkd. T 6 S R 6 W S 20 B T.
- An aspen, 4 ins. dia., bears S. 50° W., 16 lks.  
dist.. mkd. T 6 S R 6 WS 19 B T.
- An aspen, 4 ins. dia., bears N. 25° W., 18 lks.  
dist.., mkd. T 6 S R 6 W S 18 B T.

Land, mountainous.

Soil; gravelly ; 3rd rate.

Timber, aspen, pinon pine, red pine, and balsam.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

N. 89° 59' E., on a random line bet. secs. 17 and 20.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.90 Intersect N. and S. line, 21 lks. S. of the cor. of secs. 16, 17, 20, and 21.

Thence 1 run

S 89° 50' W., on a true line bet. secs. 17 and 20.

Over mountainous land; through heavy timber.

Desc.

8.00 Bottom of hollow, 50 ft. below cor., course N. 35° E.

Asc.

Subdivision of T 6 S R 6 W -Continued

Chs.	
14.00	Top of ridge, 100 ft. above hollow, bears NE and SW. This is divide bet. Sower's and Cottonwood Canon. Desc.
35.50	Bottom of hollow, 150 ft. below ridge, course N. 20° E. Leave heavy timber, bears with hollow. Asc.
39.95	Set a shale stone, 16x12x4 ins., 11 ins. in the ground, for sec.cor., mkd. $\pm$ on N. face; from which An aspen, 7 ins. dia., bears S. 30° E., 300 lks. dist.. mkd. $\pm$ S 20 E T. A pinon pine, 20 ins. dia., bears N. 5° W., 350 lks. dist.. mkd. $\pm$ S 17 E T. Enter scattering timber, bears NW and SE.
61.00	Top of ridge, 250 ft. above hollow, bears N. 30° E. and S. 30° W. Desc.
64.50	Enter dead timber, bears N. and S.
78.00	Bottom of hollow, 200 ft. below ridge, course NE . Leave dead timber, bears with hollow. Asc.
78.90	The cor. of secs. 17, 18, 19, and 20. Land, mountainous. Soil, gravelly; 3rd rate. Timber, Pinon pine and aspen. Good grass for grazing. Mountainous or heavily timbered land, 79.90 chs.
	June 15, 1904: At the noon hour the sky is overcast and solar observations are impossible.
40.00	S. 89° 51' W., on a random line bet. secs. 18 and 19. Set temp. $\pm$ sec.cor.
78.98	Intersect W.bdy. of Tp. 20 lks. S. of the cor. of secs.

Subdivision of T 6 S .R 6 W -Continued

Chs. 13,18,19, and 24, heretofore described.

Thence I run:

N.80' East., on a true line bet. secs. 18 and 19.

Over mountainous land; through scattering timber.

Asc.

8.00 Top of divide ridge between Cottonwood Canon and left hand fork of Indian Canon, 250 ft. above sec.cor., bears N.20°E. and S.20°W.

Desc.

38.98 Set a sandstone, 16x12x4 ins., 11 ins. in the ground, for  $\frac{1}{4}$  sec.cor.. mkd.  $\frac{1}{4}$  on N. face; from which

An aspen, 3 ins. dia., bears N.50°E., 200 lks.  
dist.. mkd.  $\frac{1}{4}$  S 18 B T.

An aspen, 3 ins. dia., bears S.45°E., 150 lks.  
dist.. mkd.  $\frac{1}{4}$  S 19 B T.

45.00 Bottom of Cottonwood Canon, 350 ft. below ridge, course N.10°E.

Asc.

65.00 Top of ridge, 300 ft. above canon, bears N.30°E. and S.30°W.

Desc.

70.00 Enter aspen saplings, bears N. and S..

77.00 Leave aspen saplings, bears N. and S..

78.98 The cor.of secs. 17,18,19, and 20.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, pinon pine and aspen.

Undergrowth, aspen saplings.

Good grass for grazing.

Mountainous land, 78.98 chs.

N.0° 3'W., bet. secs. 17 and 18.

Subdivision of T 6 S. R. 6 W -Continued

Chs. Over mountainous land; through scattering undergrowth.

Asc.

8.00 Enter scattering timber, bears E. and W.

36.00 Leave timber, bears E. and W.

39.00 Top of ridge, 85 ft. above sec.cor., bears N. 20° E. and S. 20° W.

Desc.

40.00 Set a sandstone, 16x11x4 ins., 11 ins. in the ground, for  $\frac{1}{4}$  sec.cor.. mkd.  $\frac{1}{4}$  on W. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

47.50 Enter heavy red pine timber, bears E. and W.

54.00 Leave timber, bears E. and W.

58.00 Enter scattering timber, bears E. and W.

71.00 Leave timber, bears E. and W.

80.00 Set a sandstone, 20x10x6 ins., 15 ins. in the ground, for cor. of secs. 7, 8, 17, and 18, mkd. with 4 notches on S. and 5 notches on E. edges; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, pinon pine, and red pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

N. 89° 50' E., on a random line bet. secs. 8 and 17.

40.00 Set temp.  $\frac{1}{4}$  sec.cor.

80.10 Intersect N. and S. line, 10 lks. N. of the cor. of secs. 8, 9, 16, and 17.

Thence I run

S. 89° 54' W., on a true line bet. secs. 8 and 17.

Over mountainous land; through scattering mahogany undergrowth.

Subdivision of T.6 S. R.6 W.-Continued.

Chs.	Desc.
11.00	Enter heavy aspen and red pine timber, bears N.30°W. and S.30°E.
18.00	Leave timber, bears N.30°W. and S.30°E.
18.50	Bottom of canon, 450 ft. below sec.cor., course N.10°E. Asc.
33.00	Top of ridge, 200 ft. above canon, bears N.10°E. and S.10°W.
	Desc.
40.05	Set a shalestone, 20x10x4 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec.cor., mkd. $\frac{1}{4}$ on N. face; dig pits, 18x18x12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
41.50	Bottom of hollow, 100 ft. below ridge, course N.
	Asc.
53.00	Enter heavy timber, bears N.20°E. and S.20°W.
55.00	Top of ridge, 200 ft. above hollow, bears N.30°E. and S.30°W.
	Desc.
63.00	Leave timber, bears NW and SE.
80.10	The cor.of secs. 7,8,17, and 18. Land, mountainous. Soil, gravelly and white clay; 3rd rate. Timber, red pine and aspen. Undergrowth, mahogany. Good grass for grazing. Mountainous or heavily timbered land, 80.10 chs.

June 15, 1904.

---

June 16, 1904: At 7 h 3 m a.m., l.m.t., I set off  $39^{\circ}58'N.$ ,  
on the lat.arc;  $23^{\circ}22'N.$ , on the decl.arc; and determine a  
mer. with the solar, at the cor.of secs. 7,8,17, and 18.  
Thence I run

Subdivision of T. 6 S. R. 6 W. -Continued

Chs.	
	West, on a random line bet. secs. 7 and 18.
40.00	Set temp. & sec. cor.
79.04	Intersect N. bdy. of Tp., 23 lks. S. of the cor. of secs. 7, 12, 17, and 18, heretofore described. Thence I run S. 89° 50' E., on a true line bet. secs. 7 and 18. Over mountainous land; through heavy timber. Desc.
.70	Bottom of hollow, 10 ft. below sec. cor., course NW.
	Asc.
10.06	Top of ridge, 300 ft. above hollow, bears NW and SE.
	Desc.
30.00	Bottom of hollow, 500 ft. below ridge, course N. 30° W.
	Asc.
39.04	Set a sandstone, 1bx10x4 ins., 10 ins. in the ground, for sec. cor.. mkd. # on N. face; from which A red pine 14 ins. dia., bears N. 56° 30' E. 55 lks. dist.. mkd. # S 7 B T. A red pine, 5 ins. dia., bears S. 65° W. 28 lks. dist.. mkd. # S 18 B T.
50.00	Top of divide ridge between left hand fork of Indian canon and Cottonwood Canon, 350 ft. above hollow, bears NE and SW.
	Desc.
52.00	Leave timber, bears NE and SW.
72.75	Bottom of Cottonwood Canon, 350 ft. below ridge, course N. 40° E.
	Asc.
73.00	Enter scattering timber, bears N. 40° E. and S. 40° W.
79.04	The cor. of secs. 7, 8, 17, and 18.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, white pine red pine, and pinon pine.
	Good grass for grazing.
	Mountainous or leav'y timbered land, 79.04 chs.

Subdivision of T 6 S R 6 W -Continued

Chs.	
	N.0° 3'W., bet. secs. 7 and 8.
	Over mountainous land; through scattering sage brush.
	Desc.
11.50	Bottom of Cottonwood Canon, 150 ft. below sec.cor., course N.40° E.
	Asc.
33.00	Top of ridge, divide bet. Cottonwood Canon and left hand fork of Indian Canon, 350 ft. above canon, bears N.50° E. and S.50° W.
	Desc.
39.50	Enter scattering timber, bears N.50° E. and S.50° W.
40.00	Set a sandstone, 18x10x5 ins. 12 ins. in the ground, for sec.cor., mkd. $\frac{1}{4}$ on W. face; from which A balsam, 5 ins. dia., bears S.85° E., 25 lks. dist. mkd. $\frac{1}{4}$ S 8 B T. A balsam, 10 ins. dia., bears S.80° W., 30 lks. dist. mkd. $\frac{1}{4}$ S 7 B T.
52.00	Bottom of head of hollow, 250 ft. below ridge, course N.60° W.
	Asc.
80.00	Top of ridge, 250 ft. above sec.cor., bears N.10° E. and S.10° E. Set a sandstone, 20x8x4 ins., 15 ins. in the ground, for cor. of secs. 5, 6, 7, and 8, mkd. with 5 notches on S., and E. edges; from which A red pine, 10 ins. dia., bears N.45° E., 155 lks. dist. mkd. T 6 S R 6 W S 5 B T. A red pine, 6 ins. dia., bears S.50° E., 75 lks. dist. mkd. T 6 S R 6 W S 8 B T. A pinon pine, 15 ins. dia. bears S.20° W., 87 lks. dist. mkd. T 6 S R 6 W S 7 B T. A pinon pine, 20 ins. dia., bears N.50° W., 78 lks. dist. mkd. T 6 S R 6 W S 6 B T.
	Land, mountainous.

Subdivision of T 6 S R 6 W -Continued

- Chs. Soil, gravelly; 3rd rate.  
Timber, pinon pine and red pine.  
Undergrowth, sage brush.  
Good grass for grazing.  
Mountainous land; 80.00 chs.
- N. 89° 54' E., on a random line bet. secs. 5 and 8.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.04 Intersect N. and S., line, 16 lks. N. of the cor. of secs. 4, 5,  
8, and 9.  
Thence I run  
N. 89° 59' W., on a true line bet. secs. 5 and 8.  
Over mountainous land; through heavy timber.  
Asc.  
5.00 Leave timber, bears NE and SW.  
14.00 Top of ridge, 50 ft. above sec. cor., bears N. 70° E. and S.  
70° W.  
Desc.  
21.00 Enter heavy timber, bears N. 15° E. and S. 15° W.  
23.00 Bottom of hollow, 200 ft. below ridge, course N.  
Asc.  
30.00 Leave heavy and enter scattering timber, bears N. and S.  
38.00 Top of spur, 100 ft. above hollow, bears N. and S.  
Desc.  
40.02 Set a shalestone, 18x10x4 ins., 11 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor. mkd.  $\frac{1}{2}$  on N. face; from which  
A red pine, 12 ins. dia., bears N. 20° E., 80 lks.  
dist. mkd.  $\frac{1}{2}$  S 5 B T.  
A red pine, 6 ins. dia., bears S. 70° E., 55 lks.  
dist. mkd.  $\frac{1}{2}$  S 8 B T.  
60.00 Enter heavy timber, bears NE and SW.  
60.50 Bottom of hollow, 200 ft. below ridge, course NW.  
Asc.

Subdivision of T. 6 S., R. 6 W. -Continued.

Chs.	
65.00	Leave heavy and enter scattering timber, bears NE and SW.
67.00	Top of spur, 160 ft. above hollow, bears N. and S.
Desc.	
73.00	Bottom of hollow, 160 ft. below spur, course N.
Asc.	
80.04	The cor. of secs. 5, 6, 7, and 8. land, mountainous. Soil, gravelly and white clay; 3rd rate. Timber, pinon pine and red pine. Good grass for raising. Mountainous or heavily timbered land, 80.64 chs. June 10, 1904: At this cor. I set off 23° 22' N., on the decl. arc; and at 6 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is 30° 58' N., which is the proper lat. nearly.
40.00	Set temp. & sec. cor.,
78.12	Intersect r. bdy. of Tp., 23 lkr. N. of the cor. of secs. 1, 6, 7, and 12, heretofore described. Thence I run ... East, i., on a true line bet. secs. 6 and 7. Over level canon bottom; through dense willows. 4.40 Creek, 5 lkr. wide, 18 inc. deep, course NE.
6.50	Leave canon bottom and begin ascent, bears NE and SW. Leave willows and enter scattering timber, bears NE and SW.
18.50	Top of spur, 200 ft. above canon, bears N. and S.
Desc.	
23.50	Bottom of hollow, 160 ft. below spur, course N.
Asc.	
39.12	Set a sandstone, 15x15x4 ins. .10 inc. in the ground, for cor. of

Subdivision of T 6 S R.6 W.-Continued.

- Chs.  $\frac{1}{2}$  sec.cor. mkd.  $\frac{1}{2}$  on N. face; from which  
 A red pine, 5 ins. dia., bears N.  $50^{\circ}$  E., 65 lks.  
 dist.. mkd.  $\frac{1}{2}$  S 6 B T..  
 A red pine, 10 ins. dia., bears S.  $5^{\circ}$  W., 90 lks.  
 dist.. mkd.  $\frac{1}{2}$  S 7 B T..
- 44.50 Top of spur, 300 ft. above hollow, bears N. and S.  
 Desc.
- 56.50 Bottom or hollow, 300 ft. below spur, course N.  $30^{\circ}$  W.  
 Asc.
- 68.50 Shale ledge, 75 ft. high, bears N. and S.
- 79.12 The cor. or secs. 5, 6, 7, and 8.  
 Land, mountainous and level canon bottom.  
 Soil, gravelly; 3rd rate.  
 Timber, cedar and pinon pine, and red pine.  
 Undergrowth, willows.  
 Good grass for grazing.  
 Mountainous land, or land covered with dense undergrowth,  
 79.12 chs.
- 
- N.  $0^{\circ} 3' W.$ , on a random line bet. secs. 5 and 6.
- 46.00 Set temp.  $\frac{1}{2}$  sec.cor.
- 86.20 Intersect N. bdy. of sp., 19 lks. S.  $69^{\circ} 59' E.$ , of the cor. of  
 secs. 5, 6, 31, and 32, heretofore described.  
 Thence 1 run  
 S.  $0^{\circ} 11' E.$ , on a true line bet. secs. 5 and 6.  
 Over mountainous land;  
 Desc. abruptly.
- 14.00 Foot of descent, enter left hand fork of Indian Canon,  
 400 ft. below sec.cor., bears NE and SW.  
 Enter dense undergrowth, bears NE and SW.
- 19.75 Old road, bears NE. and SW.
- 29.00 Creek, 10 lks. wide, 1 ft. deep, course NE
- 29.50 Leave canon bottom and begin ascent, bears NE and SW.

Subdivision of T 6 S . R 6 W -Continued.

- |       |                                                                                                                                                                                                                                                                                                                                                      |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chs.  | Leave undergrowth,bears NE and SW.                                                                                                                                                                                                                                                                                                                   |
| 32.00 | Enter scattering timber,bears NE and SW.                                                                                                                                                                                                                                                                                                             |
| 40.20 | Set a shalestone,1bx10xb ins.,10. ins.in the ground,for<br>sec.cor.,mkd. $\frac{1}{4}$ on W. face; from which.<br><br>A pinon pine,6 ins.dia.,bears S.60° E.,30 lks.<br>dist.. mkd. $\frac{1}{4}$ S 5 B T.<br><br>A red pine,4 ins.dia.,bears S.80° W.,50 lks.<br>dist.:mkd. $\frac{1}{4}$ S 6 B T.                                                  |
| 70.50 | Enter heavy timber,bears N.60° E.and S.60° W.                                                                                                                                                                                                                                                                                                        |
| 80.20 | The cor.of secs.5,6,7, and 8.<br><br>Land,mountainous and level.<br><br>Soil,gravelly loam and rocky;2nd and 4th rate.<br>Timber,pinon pine,red pine, and mahogany.<br>Undergrowth,willows,greasewood, and rabbit brush.<br>Good grass for grazing.<br><br>Mountainous or heavily timbered land,or land covered<br>with dense undergrowth,80.20 chs. |

June 16, 1904.

GENERAL DESCRIPTION.

This township is nearly all rough and mountainous. The left hand fork of Indian Canon forms a deep gorge running across the northwest corner of the township. The soil varies from sandy and gravelly loam ;2nd rate to rocky;4th rate.

Some hill slopes are well timbered with red pine and pinon pine, but most of the country is covered with scattering red pine pinon pine and aspen timber.

The undergrowth is usually sage brush, except in the canon bottoms, where the greasewoods and willows are almost impenetrable.

There is water in Sower's and left hand fork of Indian

Subdivision of T. 6 S., R. 6 W.-Concluded.

Canons and also several springs in branches of Sover's Canon.

There is no mineral in the township.

The township is well adapted for grazing purposes..

Preston Nutter has a Desert Entry No.4861 consisting of 200 acres in section 24 . His improvements consist of :about 440 rods of four pole ,strongly built fence, valued at about \$440.00 ; about 50 acres of alfalfa, valued at about \$500.00 ; a reservoir from which he irrigates the above mentioned alfalfa field ;and about 200 rods of ditches, valued at about \$200.00 .

Hulda Earll has a Desert Entry No.4862 consisting of 240 acres in secs.23,24,26, and 27. She has the following improvements:about 40.00 acres of ploughed land, valued at about \$160.00 ;about 640 rods or four pole fence,well built, valued at about \$640.00 ; a reservoir, valued at about \$50.00 ;ditches ,valued at about \$25.00 ;and a log cabin in sec.27, valued at about \$30.00 .

William W. McCoy has a Besert Entry, No. 4863, consisting of 200 acres in secs.27,28, and 33. He has the following improvements: about 50 acres or ploughed land, valued at about \$200.00 ;about 640 rods or four pole fence,well built, and valued at about \$640.00 ; ditches, valued at about \$30.00 .

Neither Preston Nutter or William W. McCoy have any cabins or houses on their desert entries.

Note: The only corner found on the old Reservation Bdy.line, as established by DuBois, was in T.5 S.R.4 W., which we destroyed. No old corners were found on the line purported to have been run by Oakes and Bennett.

*Ansel, Stark*  
U.S. Deputy Surveyor.

June 16,1904.

**BLANK**

**PAGE**

**FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS**

**LIST OF NAMES.**

A list of the names of the individuals employed by \_\_\_\_\_  
\_\_\_\_\_, United States Deputy Surveyor, to assist in running, measuring, and  
ing the lines and corners described in the foregoing field notes of the survey of \_\_\_\_\_

owing the respective capacities in which they acted:

....., Chainman.  
For final affidavits see book "W" T. 5 S., R. 7 W., Chainman.  
....., Moundman.  
....., Moundman.  
....., Axman.  
....., Axman.  
....., Flagman.

**FINAL OATH OF ASSISTANTS.**

....., Chairman.  
For final affidavits see book "W" T. 5 S., R. 7 W., Chairman.  
....., Moundman.  
....., Moundman.  
....., Axman.  
....., Axman.  
....., Flagman.

scribed and sworn to before me this ..... }  
day of ..... , 190 ..... }

SEAL.

## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, \_\_\_\_\_, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from United States Surveyor General for \_\_\_\_\_, bearing date of \_\_\_\_\_ day of \_\_\_\_\_, 190\_\_\_\_\_, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for \_\_\_\_\_, the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of \_\_\_\_\_.

For final affidavits see book "W" T. 5 S., R. 7 "

of the \_\_\_\_\_ meridian, in the \_\_\_\_\_ of \_\_\_\_\_, which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for \_\_\_\_\_, and in the specific manner described in the field notes, and the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 190\_\_\_\_\_ }



## APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 18, 1903.

The foregoing field notes of the survey of Subdivision of Township No. 6 Section \_\_\_\_\_, Range No. 6 West, of the Uintah Special Base and Meridian, Utah,

executed by John R. Stewart and Andy J. Stewart, their \_\_\_\_\_, under his contract No. 271, dated July 22, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

*Edward H. Gardner*  
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

United States Surveyor General

**BLANK**

**PAGE**

**BLANK**

**PAGE**

BOOK A-308

FILED

SEP 17 1904

## FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

QI

Township No. 5 South, Range No. 7 West

Of the ..... U.S. Standard Meridian,

STATE OF UTAH

AS SURVEYED BY

John H. Stegert and Edward L. Powers, United States Deputy Surveyor, S.

their  
Under his Contract No. 2175, dated July 22, 1903, 188

Survey commenced June 17, 1904, 1888

Survey completed July 2, 1904, 1889

6-10

The  
Survey  
CompletedSect. 14-68  
S 8-60'

7-2-16

## NAMES AND DUTIES OF ASSISTANTS.

J. Frank Hoyte ..... Chairman  
John H. Kienke ..... Chairman  
Harvey R. Booth ..... Moundman  
Elmer A. Jacobs ..... Moundman  
George J. Littley ..... Oxman  
Bert Carter ..... Oxman  
Arthur Harris ..... Flagman

For preliminary affidavits see book "R.T. 6.S., R. 6.W."

BOOK A-308

INDEX DIAGRAM.

Township 5 South, Range 7 West

6	69	6	51	4	39	2	26	2	13	1
68		67		50		38		25		12
7	66	8	49	9	37	10	24	11	11	12
65		64		48		36		23		10
18	63	17	47	16	34	15	22	14	9	13
62		60		46		33		20		8
19	59	20	45	21	31	22	19	23	7	24
68		57		44		30		18		6
80	56	29	42	28	29	27	17	20	4	23
55		54		41		28		16		3
81	52	22	40	23	27	24	14	21	2	26

Meanders Page \_\_\_\_\_

## PRELIMINARY OATHS OF ASSISTANTS.

WE, ..... and ..... do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of .....

, Chainma.

, Chainma.

Subscribed and sworn to before me this ..... }  
day of ..... , 189 }



WE, ..... and ..... do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of .....

, Moundma.

, Moundma.

Subscribed and sworn to before me this ..... }  
day of ..... , 189 }



WE, ..... and ..... do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of .....

, Axm.

, Axm.

Subscribed and sworn to before me this ..... }  
day of ..... , 189 }



I, ..... , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of .....

, Flagm.

Subscribed and sworn to before me this ..... }  
day of ..... , 189 }



Subdivision of T.5 S..R.7 W.

Chs. Survey commenced June 17, 1904, and executed with a W. and L.E. Gurley light mountain transit No.- , with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.  
The instrument was examined, tested on the mer. at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on August 21, 1903.  
I examine the adjustments of the instrument and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a mer. established by obsn . on Pol., I proceed as follows:  
At the cor. of secs. 1, 2, 35 and 36, on S. bdy. of Tp., here-tofore described latitude  $40^{\circ}00'15''$  N., longitude  $110^{\circ}40'38''$  W., I set off  $40^{\circ}00'$  N., on the lat. arc;  $23^{\circ}25'$  N., on the decl. arc; and at 5 h 2 m p.m., l.m.t., determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

June 17, 1904.

---

June 18, 1904: At 1 h 40.8 m a.m., l.m.t., I obs. Pol. at eastern elong. in accordance with the Manual, and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs. N. of the cor.  
At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Pol. to  $34.4.$  to the west and mark the mer. thus determined by cutting a small groove in the stone already set, 5.00 chs. N. of the cor.; this mark falls 0.4 ins. east of the mark determined with the solar.  
At 7 h 0 m a.m., l.m.t., I set off  $40^{\circ}00'$  N., on the lat. arc;  $23^{\circ}26'$  N., on the decl. arc; and mark the mer. determined

Subdivision of T 5 S .R 7 W.-Continued.

Chs. with the solar, by a cross on the stone already set 5.00 chs.N.of the cor.; this mark falls 0.36 ins.east of the mer.established by obsn.on Pol.  
The solar apparatus by p.m. and a.m.observation defines positions for meridians respectively about  $0^{\circ}21'$  west and  $0^{\circ}19'$  east of the mer.established by Pol.obsn.; therefore I conclude that the adjustments of the instrument are satisfactory.  
The magnetic bearing of the mer.at 7 h 30 m a.m. is N. $16^{\circ}36'W.$ , the angle thus determined, gives the mag.decl.  $16^{\circ}36'E.$

---

From the cor.of secs.1,2,35, and 36, on S.bdy.of Tp., heretofore described.

I run

N. $0^{\circ}1'W.$ , bet.secs.35 and 36.

Over mountainous land; through scattering undergrowth.

Desc.

5.00 Enter scattering timber, bears E.and W.

23.50 Leave timber, bears N. $60^{\circ}E.$  and S. $60^{\circ}W.$

30.50 Bottom of hollow, 450 ft. below sec.cor., course N. $25^{\circ}W.$

There is small seeping spring in this hollow, 75 lks.

N. $25^{\circ}W.$

ASC.

40.00 Set a sandstone, 18x10x5 ins., 12 ins.in the ground, for  $\frac{1}{2}$  sec.cor.. mkd.  $\frac{1}{2}$  on W.face; and raise a mound or stone, 2 ft.base,  $1\frac{1}{2}$  ft.high, W.of cor.

55.25 Top of spur, 150 ft.above hollow, bears NW and SE.

Desc.

72.00 Enter scattering timber, bears NE and SW.

76.00 Leave timber, bears E. and  $\frac{1}{2}$ .

79.85 Foot of descent, 350 ft.below spur, bears E. and W.

Enter bottom of Indian Canon.

Subdivision of T. 5 S., R. 7 W.-Continued.

Chs. Enter swampy meadow.  
80.00 Set a sandstone, 16x10x8 ins., 11 ins. in the ground, for cor. or secs. 25, 26, 35, and 36, mkd. with 1 notch on S., and E. edges; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.  
*79.15*  
Land, mountainous.  
Soil, gravelly loam and white clay; 2nd and 3rd rate.  
Timber, pinon pine and red pine and cedar.  
Undergrowth, sage brush.  
Good grass for grazing.  
Mountainous land, 79.85 chs.

East, on a random line bet. secs. 25 and 36.

40.00 Set temp.  $\frac{1}{2}$  sec. cor.  
80.20 Intersect E. bdy. of Tp., 20' lks. S. of the cor. of secs. 25, 30, 31, and 36, heretofore described.  
Thence I run  
S.  $89^{\circ} 50' W.$ , on a true line bet. secs. 25 and 36.  
Over mountainous land; through heavy timber.  
Desc.  
4.00 Leave heavy and enter scattering timber, bears N. and S.  
C.00 Bottom of hollow, 150 ft. below sec. cor., course N.  $20^{\circ} E.$   
Asc.  
13.90 Top of ridge, 200 ft. above hollow, bears N.  $20^{\circ} E.$  and S.  $20^{\circ} W.$   
Enter heavy timber, bears with ridge.  
Desc.  
30.00 Bottom of hollow, 400 ft. below ridge, course N.  
Leave heavy and enter scattering timber, bears N. and S.  
Asc.  
40.10 Set a limestone, 18x11x5 ins., 12 ins. in the ground, for  $\frac{1}{2}$  sec. cor.. mkd.  $\frac{1}{2}$  on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.  
42.00 Top of spur, 400 ft. above hollow, bears N.  $10^{\circ} W.$  and S.  $10^{\circ}$ .

## Subdivision of T 5 S R 7 W.-Continued.

Chs.	E.
	Desc.
32.00	Bottom of hollow, 500 ft. below spur, course N.15°W.
	Asc.
69.00	Top of spur, 200 ft. above hollow, bears N.15°W. and S.15°E.
	Desc.
75.00	Leave timber, bears N. and S.
77.00	Foot of descent, 200 ft. below spur, bears N. and S.
	Enter bottom of Indian Canon.
	Enter swampy meadow.
80.20	The cor. or secs. 25, 26, 35, and 36.
	Land, mountainous and level.
XV	Soil, gravelly loam and white clay; 2nd and 3rd rate.
	Timber, pinon pine and red pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 77.00 chs.
	June 18, 1904: At this cor. I set off 23° 25' N., on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is 40° 1' N., which is the proper lat. nearly.
	—
	N.0°1'W., bet. secs. 25 and 26.
	Over level bottom of Indian Canon; through swampy meadow.
4.00	Leave meadow, bears N.60°E. and S.60°W.
	Enter dense sage brush, bears N.60°E. and S.60°W.
7.50	Creek, 5 lks. wide, 12 ins. deep, course NE.
9.40	Colton-Vernal road, bears NE and SW.
19.00	Leave canon bottom and begin ascent, bears NE and SW.
	Leave undergrowth, bears NE and SW.
37.00	Enter scattering timber, bears NE and SW.
46.00	Set a sandstone, 18x11x5 ins., 12 ins. in the ground, for sec. cor. mkd. on W. face; from which

Subdivision or T 5 S R 7 W -Continued .

Chs.	A pinon pine, 24 ins. dia., bears N. 75° E., 28 lks. dist..mkd. $\frac{1}{2}$ S 25 B T.
	A pinon pine, 11 ins. dia., bears W., 39 lks. dist..mkd. $\frac{1}{2}$ S 26 B.T.
51.25	Top of ridge, 700 ft. above canon, bears N. 70° W. and S. 70° E. Enter heavy timber, bears with ridge.
	Desc.
69.50	Leave heavy and enter scattering timber, bears E. and W.
70.00	Bottom of hollow, 500 ft. below ridge, course E. Asc.
75.00	Top of spur, 75 ft. above hollow, bears E. and W. Desc.
78.50	Bottom of hollow, 60 ft. below spur, course S. 65° E. Asc.
80.00	Set a limestone, 18x12x4 ins., 12 ins. in the ground, for cor. or secs. 23, 24, 25, and 26, mkd. with 2 notches on S. and 1 notch on E. edges; from which  A pinon pine, 13 ins. dia., bears N. 5° E., 55 lks. dist..mkd. T 5 S R 7 W S 24 B T.
	A pinon pine, 12 ins. dia. bears S. 13 ° E., 55 lks. dist..mkd. T 5 S R 7 W S 25 B T.
	A cedar, 24 ins. dia., bears N. 70° W., 35 lks. dist..mkd. T 5 S R 7 W S 23 B T.
	No other trees within limits; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
	Land, mountainous and level.
	Soil, gravelly loam and white clay; 2nd and 3rd rate.
	Timber, pinon pine and cedar and red pine.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, or land covered with dense undergrowth, 76.00 chs.

Subdivision of T. 5 S. P. 7 W. -Continued--

Chs.	
	N. 89° 50' E., on a random line bet. secs. 24 and 25.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.40	Intersect E. bdy. of Tp., 14 lks. E. of the cor. of secs. 19, 24, 25, and 30, heretofore described. Thence I run $\sqrt{S. 89^{\circ} 44' W.}$ , on a true line bet. secs. 24 and 25. Over mountainous land; through scattering timber. Desc.
6.00	Bottom of hollow, 200 ft. below sec. cor., course S. 10° E. Asc.
40.20	Set a limestone, 18x15x3 ins., 11 ins. in the ground, for sec. cor. mkd. $\frac{1}{2}$ on N. face; from which A pinon pine, 3 ins. dia., bears N. 57° W., 58 lks. dist. mkd. $\frac{1}{2}$ S 24 B.T. A pinon pine, 12 ins. dia., bears S. 48° W., 78 lks. dist. mkd. $\frac{1}{2}$ S 25 B.T.
42.00	Top of ridge, 400 ft. above hollow, bears N. and S. Desc.
49.00	Bottom of hollow, 100 ft. below ridge, course S. 10° W. Asc.
55.00	Top of spur, 125 ft. above hollow, bears N. and S. Desc.
66.00	Bottom of hollow, 500 ft. below ridge, course S. Asc.
73.00	Top of spur, 350 ft. above hollow, bears N. and S. Desc.
80.40	The cor. of secs. 23, 24, 25, and 26. Land, mountainous. Soil, gravelly and white clay; 3rd rate. Timber, pinon pine and red pine. Good grass for grazing. Mountainous land, 80.40 chs.

June 18, 1904.

Subdivision of T. 5 S., R. 7 W.-Continued.

- Chs.
- June 19, 1904: At 7 h 3 m a.m., l.m.t., I set off  $40^{\circ} 02' N.$ , on the lat. arc;  $23^{\circ} 27' N.$ , on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 23, 24, 25, and 26.
- Thence I run  
N. $0^{\circ} 1' W.$ , bet. secs. 23 and 24.
- Over mountainous land; through heavy timber.
- Asc.
- 57.00 Top of divide ridge bet. Indian and Lake Canons, 700 ft. above sec. cor., bears E. and W.
- Leave heavy and enter scattering timber, bears with ridge.
- Desc.
- 40.00 Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for  $\frac{1}{2}$  sec. cor., mkd.  $\frac{1}{2}$  on W. face; from which
- A pinon pine, 14 ins. dia., bears S. $70^{\circ} E.$ , 40 lks.  
dist., mkd.  $\frac{1}{2}$  S 24 B T.
- A pinon pine, 13 ins. dia., bears S. $7^{\circ} W.$ , 60 lks.  
dist., mkd.  $\frac{1}{2}$  S 23 B T.
- 50.00 Head of hollow, 150 ft. below ridge, course N. $60^{\circ} E.$
- Asc.
- 60.00 Enter heavy timber, bears N. $60^{\circ} E.$  and S. $60^{\circ} W.$
- 64.00 Top of ridge, 150 ft. above hollow, bears N. $60^{\circ} E.$  and S. $60^{\circ} W.$
- Desc.
- 74.00 Top of spur, 50 ft. below ridge, bears N. $30^{\circ} W.$  and S. $10^{\circ} E.$
- Desc.
- 80.00 Set a sandstone 16x10x4 ins., 11 ins. in the ground, for cor. of secs. 13, 14, 23, and 24, mkd. with 3 notches on S. and 1 notch on E. edges; from which
- A red cedar, 6 ins. dia., bears N. $33^{\circ} E.$ , 25 lks.  
dist., mkd. T 5 S R 7 W S 13 B T.
- A red pine, 10 ins. dia., bears S. $24^{\circ} E.$ , 40 lks.  
dist., mkd. T 5 S R 7 W S 24 B T.

Subdivision of T. 5 S. R. 7 W. -Continued

Chs.	A cedar, 9 ins. dia., bears S. 56° W., 48 lks. dist.. mkd.T. 5 S. R. 7 W S 23 B T.
	A red pine, 9 ins. dia., bears N. 47° W., 66 lks. dist.. mkd.T. 5 S R 7 W S 14 B T.
	Land, mountainous Soil, gravelly; 3rd rate. Timber, pinon pine, red pine, and cedar. Goodgrass for grazing. Mountainous or heavily timbered land, 80.00' chs.
	<hr/>
40.00	N. 89° 44' E., on a random line bet. secs. 13 and 24. Set temp $\frac{1}{2}$ sec. cor.
80.46	Intersect E., bdy. of Tp., at the cor. of secs. 13, 18, 19, and 24 heretofore described. Thence I run S. 89° 44' W., on a true line bet. secs. 13 and 24.
	Over mountainous land; through scattering timber. Desc.
4.00	Bottom of hollow, 100 ft. below sec. cor., course N. 25° E. Asc.
12.50	Top of spur, 300 ft. above hollow, bears N. 50° E. and S. 50° W. Desc.
20.00	Leave timber, bears NE and SW.
29.50	Enter heavy timber, bears N. and S.
35.50	Leave timber, bears N. 30° E. and S. 30° W.
39.90	Bottom of hollow, 300 ft. below spur, course N. 60° E. Asc.
40.23	Set a hard sandstone, 22x11x4 ins., 16 ins. in the ground, fo. $\frac{1}{2}$ sec. cor.. mkd. $\frac{1}{2}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. .
44.50	Enter scattering timber, bears NE and SW.
57.00	Top of ridge, 400 ft. above hollow, bears N. 60° E. and S. 60°

Subdivision of T. 5 S., R. 7 W.-Continued.

Chs.	W.	
		Desc.
72.50		Bottom of hollow, 250 ft. below ridge, course N.30° E.
		Asc.
80.46		The cor. of secs. 13, 14, 23, and 24.
		Land, mountainous.
		Soil, gravelly; 3rd rate.
		Timber, pinon pine, red pine, and cedar.
		Good grass for grazing.
		Mountainous or heavily timbered land, 80.46 chs.
		June 19, 1904: At this cor. I set off 23° 26' N., or the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is 40° 03' N., which is the proper lat. nearly.
		<hr/>
		N.0° 1' W., bet. secs. 13 and 14.
		Over mountainous land; through heavy timber.
		Desc.
27.00		Top of ridge, 100 ft. below sec. cor., bears N.30° E. and S.30° W.
		Descend more rapidly.
40.00		Set a hard sandstone, 20x10x8 ins., 15 ins. in the ground, for $\frac{1}{2}$ sec. cor., mkd. $\frac{1}{2}$ on W. face; from which
		A red pine, 8 ins. dia., bears N.60° E., 50 lbs. dist., mkd. $\frac{1}{2}$ S 13 B T.
		A cedar, 6 ins. dia., bears N.84° W., 22 lbs. dist., mkd. $\frac{1}{2}$ S 14 B T.
80.00		Point 800 ft. below ridge.
		Set a limestone, 18x10x4 ins., 12 ins. in the ground, for cor. of secs. 11, 12, 13, and 14, mkd. with 4 notches on S. and 1 notch on E. edges; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
		Land, mountainous.

Subdivision of T. 5 S. R. 7 W.-Continued.

Chs.	Soil, gravelly; 3rd rate. Timber, pinon pine and red pine and cedar. Good grass for grazing. Mountainous or heavily timbered land, 80.00 chs.
	N. 89° 44' E., on a random line bet. secs. 12 and 13.
40.00	Set temp $\frac{1}{4}$ sec.cor.
80.16	Intersect E. bdy. of Tp., at the cor. of secs. 7, 12, 13, and 18, heretofore described. Thence I run S. 89° 44' W., on a true line bet. secs. 12 and 13. Over mountainous land; through heavy timber.
	Desc.
.50	Bottom of hollow, 10 ft. below sec.cor., course N. 30° E.
	Asc.
10.50	Top of ridge, 300 ft. above hollow, bears N. 10° E. and S. 10° W.
	Desc.
34.00	Leave timber, bears N. 30° W. and S. 30° E.
39.00	Bottom of hollow, 600 ft. below ridge, course N. 20° W.
	Asc.
39.25	Enter scattering timber, bears N. 20° W. and S. 20° E.
40.08	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for sec.cor.. mkd. $\frac{1}{4}$ on N. face; from which
	A pinon pine, 10 ins. dia., bears N. 52° W., 46 lks. dist. mkd. $\frac{1}{4}$ S 12 B T.
	A pinon pine, 8 ins. dia., bears S. 17° W., 120 lks. dist. mkd. $\frac{1}{4}$ S 13 B T.
57.00	Top of ridge, 405 ft. above hollow, bears N. 20° E. and S. 20° W.
	A prominent chimney-shaped rock, about 10 ft. dia., and 40 ft. high, bears N. 18° 15' E., about 32.00 chs. dist.
	Desc.

Subdivision of T 5 S - R 7 W.—Continued.

Chs.	
80.16	<p>Point 500 ft. below ridge. The cor. of secs. 11, 12, 13, and 14. Land, mountainous. Soil, gravelly; 3rd rate. Timber, pinon pine and cedar. Good grass for grazing. Mountainous or heavily timbered land, 80.16 chs.</p>

June 19, 1904.

June 20, 1904: At 7 h 2 m a.m., limit., I set off  $40^{\circ} 04' N.$ , on the lat. arc;  $23^{\circ} 28' N.$ , on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 11, 12, 13, and 14.

Thence I run

$N. 0^{\circ} 1' W.$ , bet. secs. 11 and 12.

Over mountainous land; through scattering undergrowth.  
asc. along side hill.

5.50 Point from which , the west point of a lake in Lake Canon, bears  $N. 12^{\circ} 40' E.$ ; the north point bears  $N. 32^{\circ} 40' E.$ ; the NE point  $N. 30^{\circ} 15' E.$ ; the east point  $N. 45^{\circ} 40' E.$ ; the south point  $N. 35^{\circ} E.$  This lake is about 37.00 chs. long, in the longest part , about 7.00 chs. wide in the widest part, and about 20 ft. deep. It has no outlet and is fed by high water floods and a few springs around the edge of lake. It has an area of about 21.00 acres. Desc.

8.00 Foot of descent, 200 ft. below sec.cor.; bears  $N. 50^{\circ} E.$  and  $S. 50^{\circ} W.$

Enter bottom of Lake Canon.

Enter dense undergrowth.

11.00 Trail, bears  $N. 50^{\circ} E.$  and  $S. 50^{\circ} W.$

12.50 West point of lake bears East about 2.00 chs. dist.

18:50 Leave canon bottom and begin ascent, bears  $N. 50^{\circ} E.$  and

Subdivision of T. 5 S., R. 7 W.-Continued.

Chts.	S. 50° W. Leave undergrowth, bears N. 50° E. and S. 50° W.
20.00	Foot of ledge, 40 ft high, bears N. 40° E. and S. 40° W.
25.00	Enter scattering timber, bears N. 50° E. and S. 50° W.
40.00	Set a sandstone, 14x10x4 ins., 9 ins. in the ground, for sec.cor.. mkd. $\frac{1}{4}$ on W. face; from which  A cedar, 4 ins. dia., bears S. 80° E., 50 lks. dist.. mkd. $\frac{1}{4}$ S. 12 B.T.  A pinon pine, 8 ins. dia., bears W., 75 lks. dist.. mkd. $\frac{1}{4}$ S. 11 B.T.
80.00	Point 1000 ft. above canon, be Set a sandstone, 16x10x4 ins., 11 ins. in the ground, for cor.of secs. 1, 2, 11, and 12, mkd. with 5 notches on S. and 1 notch on E.edges; from which  A pinon pine, 6 ins. dia., bears N. 12° E., 60 lks. dist.. mkd. T. 5 S. R. 7 W. S. 1 B.T.  A pinon pine, 4 ins. dia., bears S. 16° E., 25 lks. dist.. mkd. T. 5 S. R. 7 W. S. 12 B.T.  A pinon pine, 5 ins. dia., bears S. 74° W., 35 lks. dist.. mkd. T. 5 S. R. 7 W. S. 11 B.T.  A pinon pine, 5 ins. dia., bears N. 50° W., 45 lks. dist.. mkd. T. 5 S. R. 7 W. S. 2 B.T.  Land, mountainous and level. Soil, gravelly and white clay; 3rd rate. Timber, pinon pine and cedar. Undergrowth, sage brush. Good grass for grazing. Mountainous land, or land covered with dense undergrowth, 80.00 chs.
40.00	N. 89° 44' E., on a random line bet. secs. 1 and 12. Set temp. $\frac{1}{2}$ sec.cor.
79.84	Intersect E.bdy. of Tp., 23 lks. N. of the cor.of secs.

Subdivision of T. 5. S. R. 7 W.-Continued

Chs. 1,6,7, and 12, heretofore described.

Thence I run

S.89° 54'W., on a true line bet. secs. 1 and 12.

Over mountainous land; through scattering timber.

Asc. along side of ridge.

39.92 Set a sandstone, 15x14x4 ins., 10 ins. in the ground, for  
sec.cor.. mkd.  $\frac{1}{4}$  on N. face; from which

A pinon pine, 6 ins. dia., bears N. 20° W., 30 lks.  
dist.. mkd.  $\frac{1}{4}$  S 1 B T.

A pinon pine, 14 ins. dia., bears S. 12° E., 60 lks.  
dist.. mkd.  $\frac{1}{4}$  S 12 B T.

79.84 Point 1200 ft. above sec.cor.

The cor. of secs. 1, 2, 11, and 12.

Land, mountainous.

Soil, gravelly; and rocky; 3rd and 4th rate.

Timber, pinon pine and cedar.

Good grass for grazing.

Mountainous land, 79.84 chs.

June 20, 1904: At this cor. I set off 23° 27' N., on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is 40° 05' N., which is the proper lat. nearly.

---

N. 0° 1' W., on a true line bet. secs. 1 and 2.

Over mountainous land; through heavy timber.

Asc.

.50 Top of divide ridge bet. Lake and Dry Canons, 10 ft. above  
sec.cor., bears N. 80° E. and S. 80° W.

Desc.

6.00 Leave timber, bears NE and SW.

8.00 Head of hollow, 75 ft. below ridge, course N. 30° W.

Asc.

12.00 Enter heavy timber, bears E. and W.

Subdivision of T. 5. S. " R. 7. W. -Continued

Chs.	
24.00	Top of spur, 40 ft. above hollow, bears E. and W.
	Desc.
40.00	Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for sec. cor.. mkd. $\frac{1}{2}$ on W. face; from which A pinon pine, 8 ins. dia., bears N. 15° E., 40 lks. dist.. mkd. $\frac{1}{2}$ S 1 B T.
	A pinon pine, 7 ins. dia., bears S. 5° W., 50 lks. dist.. mkd. $\frac{1}{2}$ S 2 B T.
60.00	Leave timber, bears E. and W.
71.00	Bottom of hollow, 300 ft. below ridge, course N. 15° E. Desc. along side of hollow.
79.60	Intersect 1st Standard Parallel South, 14.70 chs. East of the standard cor. or secs. 35 and 36, which is a sandstone, 5x14x6 ins. above ground, firmly set, and mkd. and wit- nessed as described by Deputies Stewart and Booth. Set a sandstone, 18x10x3 ins., 12 ins. in the ground, for closing cor. or secs. 1 and 2, mkd. C C on S., with 1 groove on E. and 5 grooves on W. faces; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor. Land, mountainous. Soil, gravelly and rocky; 3rd and 4th rate. Timber, pinon pine and cedar. Good grass for grazing.
	Mountainous or heavily timbered land, 79.60 chs.

June 20, 1904.

June 21, 1904: At 7 h 3 m a.m., l.m.t., I set off 40° 00' N.,  
on the lat. arc; 23° 28' N., on the décl. arc; and determine  
azim. with the solar, at the cor. or secs. 2, 3, 34, and 35,  
on S. bdy. or Tp., heretofore described.

Subdivision of T.5 S., R.7 W.-Continued.

Chs.	Thence I run N.0°2'W., bet. secs. 34 and 35. Over mountainous land; through heavy timber and scattering undergrowth.
	Desc.
10.00	Leave timber, bears E. and W.
13.00	Foot of descent, 300 ft. below sec. cor., bears NE and SW. Enter bottom of Indian Canon. Enter dense greasewoods, bears NE and SW.
15.00	Creek, 5 lks. wide, 3 ins. deep, course NE.
18.25	Colton--Vernal road, bears NE, and SW.
24.50	Leave canon bottom, bears NE and SW. Leave greasewoods and enter heavy timber, bears NE and SW. Asc. abruptly over ledges.
28.00	Top of spur, 150 ft. above canon, bears NW and SE. Leave ledges, bears NW and SE.
	Desc.
31.50	Foot of descent, 125 ft. below spur, bears NW and SE. Enter bottom of canon. Leave timber and enter dense greasewoods, bears NW and SE.
40.00	Set a sandstone, 18x12x3 ins., 12 ins. in the ground, for sec. cor.. mka. 2 on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
42.00	Leave canon bottom, bears NW and SE. Leave undergrowth and enter heavy timber, bears NW and SE.
	Asc.
50.00	Point 1200 ft. above canon. Set a sandstone, 16x12x6 ins., 11 ins. in the ground, for cor. or secs. 26, 27, 34, and 35, mka. with 1 notch on S. and 2 notches on E. edges; from which A pinon pine, 6 ins dia., bears N. 48° E., 45 lks. dist.. mka. T 5 S R 7 W S 26 B T. A pinon pine 12 ins. dia., bears S. 80° E., 50 lks.

## Subdivision of T.5 S., R.7 W.-Continued. vi

Chs.	dist.. mkd.T 5 S R 7 W S 35 B T. A pinon pine, 10 ins. dia., bears S. 63° W., 70 lks. dist.. mkd.T 5 S R 7 W S 34 B T. A pinon pine, 12 ins. dia., bears N. 74° W., 99 lks. dist.. mkd.T 5 S R 7 W S 27 B T. Land, mountainous. Soil, gravelly loam and rocky; 2nd and 4th rate. Timber, pinon pine and red pine and cedar. Undergrowth, greasewoods and buck brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
79.86	Intersect N. and S. line, 23 lks. N. of the cor. or secs. 25, 26, 35, and 36. Thence I run N. 89° 50' W., on a true line bet. secs. 26 and 35. Over level canon bottom, across swampy meadow.
10.00	Creek, 3 lks. wide, 3 ins. deep, course NE.
10.75	Colton - Vernal road, bears NE and SW.
12.00	Leave meadow and enter dense greasewoods, bears NE and SW.
20.00	Leave canon bottom, bears NE and SW. Leave undergrowth and enter scattering timber, bears NE and SW. Asc.
25.00	Top of spur, 200 ft. above canon, bears N. 10° W. and S. 10° E.
	Desc.
39.93	Set a shalestone, 18x10x5 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor.. mkd. on N. face; from which

Subdivision of T.5 S. R.7 E.-Continued.

- Chs. A pinon pine, 1z ins. dia., bears N.30°W., 30 lks.  
dist.. mka.  $\bar{z}$  S 26 B T.
- A pinon pine, 13 ins. dia., bears S.20°W., 22 lks.  
dist.. mka.  $\bar{z}$  S 35 B T.
- 48.00 Bottom of hollow, 150 ft. below ridge, course S.70°E.  
Asc. abruptly.
- 77.25 Top of ridge, 1200 ft. above hollow, bears N.30°W. and S.30°E.  
Desc.
- 79.86 The cor. or secs. 26, 27, 34, and 35.  
Land, mountainous and level.  
Soil, gravelly loam and white clay and rocky; 2nd, 3rd  
and 4th rate...  
Timber, pinon pine.  
Undergrowth, sage brush.  
Good grass for grazing.  
Mountainous land, or. land covered with dense undergrowth,  
67.86 chs.  
June 21, 1904: At this cor. I set off 23° 27' N., on the decl.  
arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the  
mer. the resulting lat. is 40° 01' N., which is the proper  
lat. nearly.
- 
- N.0° 2' W., bet. secs. 26 and 27.  
Over mountainous land; through heavy timber.  
Asc.  
3.00 Top of ridge, 100 ft. above sec. cor., bears N.30°W. and S.30°E.  
Desc.
- 19.00 Bottom of hollow, 100 ft. below ridge, course S.30°E.  
Asc.
- 33.50 Top of ridge, 100 ft. above hollow, bears N.85°E. and S.85°W.  
This is top of divide ridge bet. Lake and Indian Canons. Desc.

Subdivision of T. 5 S., R. 7 W.-Continued.

Chs.	
40.00	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec.cor.. mkd. $\frac{1}{4}$ on W. face; from which A white pine, 6 ins. dia., bears N. 40° E., 50 lks. dist.. mkd. $\frac{1}{4}$ S 26 B T.
	A white pine, 6 ins. dia., bears S. 75° W., 60 lks. dist.. mkd. $\frac{1}{4}$ S 27 B T.
75.00	Bottom of hollow, 500 ft. below ridge, course N.
80.00	Set a sandstone, 28x16x9 ins., 21 ins. in the ground, for cor. of secs. 22, 23, 26, and 27, mkd. with 2 notches on S. and 2 notches on E. edges; from which: A red pine, 4 ins. dia., bears N. 16° E., 38 lks. dist.. mkd. T 5 S R 7 W S 23 B T. A red pine, 6 ins. dia., bears S. 4° E., 25 lks. dist.. mkd. T 5 S R 7 W S 26 B T. A red pine, 4 ins. dia., bears S. 33° W., 44 lks. dist.. mkd. T 5 S R 7 W S 27 B T. A red pine, 6 ins. dia., bears N. 12° W., 19 lks. dist.. mkd. T 5 S R 7 W S 22 B T.
	Land, mountainous.
	Soil, gravelly loam and white clay; 2nd and 3rd rate.
	Timber, pinen pine and red pine and white pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.
	<hr/>
40.00	S. 89° 50' E., on a random line bet. secs. 23 and 26.. Set temp. $\frac{1}{4}$ sec.cor.
80.10	Intersect N. and S. line, 19 lks. S. of the cor. of secs. 23, 24, 25, and 26.
	Thence I run
	N. 89° 58' W., on a true line bet. secs. 23 and 26.

Subdivision of T. 5 S., R. 7 W.-Continued.

Chs. Over mountainous land; through scattering cedar and pinon pine timber.  
Desc.  
2.00 Bottom of hollow, 75 ft. below sec. cor., course S. 30° E.  
Asc. abruptly.  
13.00 Top of spur, 400 ft. above hollow, bears NW and SE.  
Desc.  
21.00 Bottom of hollow, 250 ft. below ridge, course SE.  
Enter heavy timber, bears NW and SE.  
Asc.  
35.00 Top of divide ridge, bet. Indian and Lake Canons, 600 ft. above hollow, bears NE and SW.  
Desc.  
40.05 Set a sandstone, 16x11x5 ins., 11 ins. in the ground, for sec. cor.. mkd.  $\frac{1}{2}$  on N. face; from which  
A red pine, 12 ins. dia., bears N. 7° W., 40 lks.  
dist. mkd.  $\frac{1}{2}$  S 23 B T.  
a red pine, 16 ins. dia., bears S. 46° W., 39 lks.  
dist. mkd.  $\frac{1}{2}$  S 26 B T.  
50.20 Bottom of hollow, 450 ft. below ridge, course NW.  
Leave heavy and enter scattering timber, bears with hollow.  
Asc.  
63.50 Top of spur, 200 ft. above hollow, bears N. 30° W. and S. 30° E.  
Desc.  
80.10 The cor. of secs. 22, 23, 26, and 27.  
Land, mountainous.  
Soil, gravelly loam and white clay; 2nd and 3rd rate.  
Timber, pinon pine, red pine and cedar.  
Good grass for grazing.  
Mountainous or heavily timbered land, 80.10 chs.

June 21, 1904.

June 22, 1904: At 7 h 2 m a.m., l.m.t., I set off 46° 02' N.,

Subdivision of T.5 S.R.T.T.-Continued

Che. on the lat.arc; 23° 28' N., on the decl.arc; and determine a mer. with the solar, at the cor. of secs. 22, 23, 26, and 27.

Thence I run

N.6° E' W., bet. secs. 22 and 23.

Over mountainous land; through scattering timber and scattering undergrowth.

Desc.along bottom of hollow.

.50 Leave hollow, course N.10° E.

Thence gradually descending along west side of hollow.

30.00 Same hollow, 200 ft. below hollow, course N.10° W.

Continue descent.

40.00 Set a sandstone, 16x10x4 ins., 11 ins. in the ground, for  
sec.cor..mkd. $\frac{1}{2}$  on W.face; from which

A pinon pine, 8 ins. dia., bears S.85° E., 125 lks.  
dist..mkd. $\frac{1}{2}$  S 23 B T.

A pinon pine, 8 ins. dia., bears N.80° W., 35 lks.  
dist.:mkd. $\frac{1}{2}$  S 22 B T.

70.00 Leave timber, bears NE and SW.

80.00 Set a sandstone, 20x10x3 ins., 15 ins. in the ground, for  
cor.of secs. 14, 15, 22, and 23, mkd. with 3 notches on S. and  
2 notches on E.edges; and raise a mound of stone, 2 ft.  
base, 1 $\frac{1}{2}$  ft. high, " of cor.

Land, mountainous:

Soil, gravelly loam and rocky; 3rd and 4th rate.

Ti-ber, pinon pine, red pine and cedar.

Undergrowth, service berry and deer brush .

Good grass for grazing.

Mountainous land, R.O. of che.

21.88' E., on a random line bet. secs. 14 and 23.

41.00 Set temp.4 sec.cor.

42.34. Intercept T. and L.line, 5 M.s.E. of the cor.of secs.

Subdivision of T.5 S., R.7 W.-Continued.

Chs. 13, 14, 23, and 24.

Thence I run

' West, on a true line bet. secs. 14 and 23.

Over mountainous land; through heavy timber.

Asc.

3.50 Top of spur, 30 ft. above sec. cor., bears N. 30° W. and S. 30° E.

Desc.

40.17 Set a hard sandstone, 14x11x4 ins. 9 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor.. mkd.  $\frac{1}{2}$  on N faces; from which

A pinon pine, 11 ins. dia., bears N. 62° W., 53 lbs.  
dist.. mkd.  $\frac{1}{2}$  S 14 B T.

A pinon pine, 10 ins. dia., bears S. 78° W., 22 lbs.  
dist.. mkd.  $\frac{1}{4}$  S 23 B T.

45.00 Leave timber, bears N. 60° W. and S. 60° E.

46.00 Enter ledges, bears N. 60° W. and S. 60° E.

50.00 Leave ledges, bears N. 60° W. and S. 60° E.

56.00 Bottom of hollow, 900 ft. below ridge, course N. 60° W.

Asc.

60.25 Top of spur, 50 ft. above hollow, bears NW and SE.

Desc.

63.50 Bottom of hollow, 75 ft. below spur, course NW.

Asc.

70.00 Top of spur, 250 ft. above hollow, bears N. 20° W. and S. 20° E.

Desc.

80.34 The cor. of secs. 14, 15, 22, and 23.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, pinon pine and cedar.

Good grass for grazing.

Mountainous or heavily timbered land, 80.34 chs.

June 22, 1904: At the noon hour the sky is overcast and solar observations are impossible.

Subdivision of T 5 S ; R 7 W -Continued

Chs.	
	N.0° 2'W., bet. secs. 14 and 15.
	Over mountainous land.
	Desc.
.75	Foot of descent, 50 ft. below sec.cor., bears N.30°E. and S.30°W.
	Enter bottom of Lake Cahon.
	Enter meadow, bears N.30°E. and S.30°W.
4.50	Creek, 2 lks. wide, 3 ins. deep, course N.30°E.
6.00	Leave meadow and enter dense undergrowth, bears N.30°E. and S.30°W.
25.00	Leave canon bottom, bears N.40°E. and S.40°W.
	Leave undergrowth and enter scattering timber, bears N.40°E. and S.40°W.
	Asc. abruptly over ledges.
28.00	Leave ledges, bears N.40°E. and S.40°W.
35.25	Top of ridge, 400 ft. above canon, bears N.80°E. and S.80°W.
	Desc.
40.00	Set a sandstone, 20x8x8 ins., 15 ins. in the ground, for sec.cor.. mkd. $\frac{1}{2}$ on W. face; from which
	A pinon pine, 20 ins. dia., bears S.20°E., 100 lks. dist.. mkd. $\frac{1}{2}$ S 14 B T.
	A pinon pine, 8 ins. dia., bears S.50°W., 80 lks. dist.. mkd. $\frac{1}{2}$ S 15 B T.
40.30	Bottom of canon, 100 ft. below ridge, course N.60°E.
	Asc.
58.00	Top of spur, 200 ft. above hollow, bears N.80°W. and S.80°E.
	Desc.
68.00	Bottom of canon, 300 ft. below spur, course N.80°E.
	Asc.
78.50	Top of ridge, 400 ft. above canon, bears E. and W.
	Desc.

Subdivision of T.5 S., R.7 W.-Continued.

- Chs. 80.00 Set a shalestone, 18x10x3 ins., 12 ins. in the ground, for cor. of secs. 10, 11, 14, and 15, mkd. with 4 notches on S. and 2 notches on E. edges; from which  
*b. 14.75*  
A red pine, 10 ins. dia., bears N. 45° E., 40 lks.  
dist. mkd. T 5 S R 7 W S 11 B T.  
A pinon pine, 12 ins. dia., bears S. 35° E., 50 lks.  
dist. mkd. T 5 S R 7 W S 14 B T.  
A cedar, 5 ins. dia., bears S. 20° W., 50 lks.  
dist. mkd. T 5 S R 7 W S 15 B T.  
A pinon pine, 14 ins. dia., bears N. 15° W., 55 lks.  
dist. mkd. T 5 S R 7 W S 10 B T.  
Land, mountainous and level.  
Soil, gravelly loam and rocky; 2nd and 4th rate.  
Timber, pinon pine, red pine, and cedar.  
Undergrowth, sage brush.  
Good grass for grazing.  
Mountainous land, or land covered with dense undergrowth,  
74.75 chs.
- 
- East, on a random line bet. secs. 11 and 14.  
40.00 Set temp.  $\frac{1}{2}$  sec. cor.  
80.12 Intersect N. and S. line, 19 lks. S. of cor. of secs. 11, 12, 13, and 14.  
Thence 1 run  
S. 89° 52' W., on a true line bet. secs. 11 and 14.  
Over mountainous land;  
Desc.  
10.00 Foot of descent, 200 ft. below sec. cor., bears N. 50° E. and S. 50° W.  
Enter Lake Canon.  
Enter meadow, bears N. 50° E. and S. 50° W.  
18.00 Leave meadow and enter dense undergrowth, bears N. and S.

Subdivision of T. 5 S. R. 7 W. -Continued.

Chs.

- 24.00 Leave canon bottom, bears N.  $50^{\circ}$  E. and S.  $50^{\circ}$  W.  
 Leave undergrowth and enter heavy timber, bears N.  $50^{\circ}$  E. and S.  $50^{\circ}$  W.  
 Asc.  
 40.06 Set a sandstone, 15x8x5 ins., 10 ins. in the ground, for  
 $\frac{1}{2}$  sec.cor.. mkd.  $\frac{1}{2}$  on N. face; from which  
     A pinon pine, 4 ins. dia., bears N.  $30^{\circ}$  W., 35 lks.  
     dist.. mkd.  $\frac{1}{4}$  S 11 B T.  
     A pinon pine, 5 ins. dia., bears S.  $15^{\circ}$  W., 200 lks.  
     dist.: mkd.  $\frac{1}{2}$  S 14 B T.  
 Continue ascent along side of ridge.  
 80.12 Point 600 ft. above canon.  
 The cor.of secs. 10 , 11, 14, and 15.  
 Land, mountainous and level.  
 Soil, gravelly loam and rocky; 2nd and 4th rate.  
 Timber, pinon pine, red pine ,and cedar.  
 Undergrowth, sage brush .  
 Good grass for grazing.  
 Mountainous or heavily timbered land, or land covered  
 with dense undergrowth, 71.12 chs.

June 22, 1904.

---

June 23, 1904: At 7 h 2 m a.m .l.m.t., I set off'  $40^{\circ}04'N$  ,  
 on the lat.arc;  $23^{\circ}28'W.$ , on the decl.arc; and determine  
 a mer. with the solar, at the cor.of secs. 10, 11, 14, and 15.  
 Thence I run  
 N.  $0^{\circ}2'W.$ , bet.secs. 10 and 11.  
 Over mountainous land; through heavy timber.  
 Desc.

- 18.00 Head of canon, 300 ft below sec.cor., course N.  $80^{\circ}$  E.  
 Asc.

Subdivision of T.5 S., R.7 W.-Continued.

chs.

- 25.00 Leave heavy and enter scattering timber, bears E. and W.  
28.00 Top of divide ridge, bet. Lake and Dry Canon, 600 ft. above canon, bears N. 70° E. and S. 70° W.

Desc.

- 40.00 Set a shalestone, 18x10x4 ins., 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor.. mkd.  $\frac{1}{4}$  on W. face; from which

A pinon pine, 6 ins. dia., bears N. 25° E., 275 lks. dist.. mkd.  $\frac{1}{4}$  S 11 B.T.

A pinon pine, 3 ins. dia., bears N. 20° W., 150 lks. dist.. mkd.  $\frac{1}{4}$  S 10 B.T.

Continue descent along side of ridge.

- 80.00 Point 500 ft. below ridge

Set a limestone, 20x12x3 ins., 15 ins. in the ground, for cor. of secs. 2, 3, 10, and 11, mkd. with 5 notches on S. and 2 notches on E. edges; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.

Land, mountainous.

Soil, gravelly loam and rocky; 2nd and 4th rate.

Timber, pinon pine and red pine and cedar.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

N. 69° 52' E., on a random line bet. secs. 2 and 11.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.

- 60.06 Intersect N. and S. line, 23 lks. S. of the cor. of secs. 1, 2, 11, and 12.

Thence I run

S. 89° 42' W., on a true line bet. secs. 2 and 11.

Over mountainous land; through heavy timber.

Asc. along side of ridge.

- 2.00 Top of divide ridge bet. Lake and Dry Canons, 25 ft. above

Subdivision of T. 5 S., R. 7 W. -Continued.

- |       |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chs.  | sec.cor., bears N. 70° E. and S. 70° W.                                                                                                                                                                                                                                                                                                                                                                                                 |
|       | Descend along side of ridge.                                                                                                                                                                                                                                                                                                                                                                                                            |
| 29.00 | Top of ridge, 300 ft. below divide, bears N. and S.<br>Desc.                                                                                                                                                                                                                                                                                                                                                                            |
| 40.03 | Set a shalestone, 15x10x4 ins., 10 ins. in the ground, for<br>sec.cor.. mka. $\frac{1}{4}$ on N. face; from which<br>A pinon pine, 11 ins. dia., bears N. 5° E., 34 lks.<br>dist.. mkd. $\frac{1}{4}$ S 2 B T.<br>A pinon pine, 8 ins. dia., bears S. 12° E., 65 lks.<br>dist.. mkd. $\frac{1}{4}$ S 11 B T.                                                                                                                            |
| 55.00 | Leave timber, bears NW and SE.                                                                                                                                                                                                                                                                                                                                                                                                          |
| 72.00 | Bottom of hollow, 600 ft. below ridge, course N.<br>Asc.                                                                                                                                                                                                                                                                                                                                                                                |
| 75.50 | Top of spur, 20 ft. above hollow, bears N. and S.<br>Desc.                                                                                                                                                                                                                                                                                                                                                                              |
| 80.06 | The cor. of secs. 2, 3, 10, and 11:<br>Land, mountainous.<br>Soil, gravelly loam and white clay; 2nd and 3rd rate.<br>Timber, pinon pine and cedar.<br>Good grass for grazing.<br>Mountainous or heavily timbered land, 80.06 chs.<br>June 23, 1904: At this cor. I set off 23° 27' N., on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is 40° 05' N., which is the proper lat. nearly. |
|       | <hr/>                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|       | N. 0° 2' W., on a true line bet. secs. 2 and 3.<br>Over mountainous land.<br>Descend along side of ridge.                                                                                                                                                                                                                                                                                                                               |
| 19.30 | Bottom of Dry Canon, 200 ft. below sec.cor., course N. 30° E.<br>Asc.                                                                                                                                                                                                                                                                                                                                                                   |
| 40.00 | Set a limestone, 18x8x8 ins., 12 ins. in the ground, for.                                                                                                                                                                                                                                                                                                                                                                               |

Subdivision of T. 5 S., R. 7 W.-Continued.

Chs.	<p><math>\frac{1}{4}</math> sec.cor..mkd.<math>\frac{1}{4}</math> on W.face; from which</p> <p>A red pine, 14 ins. dia., bears S.45° E., 75 lks. dist..mkd.<math>\frac{1}{4}</math> S 2 B T.</p> <p>A red pine, 10 ins. dia., bears N.50° W., 60 lks. dist..mkd.<math>\frac{1}{4}</math> S 3 B T.</p>
71.00	<p>Top of spur, 450 ft. above canon, bears E. and V.</p> <p>Desc.. through heavy timber.</p>
79.80	<p>Intersect 1st Standard Parallel South , 14.80 chs.East, of the standard cor.of secs. 2, 3, 34, and 35 , which is a sand- stone , 5x12x4 ins.above ground, firmly set, and marked and witnessed as described by Deputies Stewart and Booth.</p> <p>Set a sandstone, 18x12x4 ins., 12 ins.in the ground, for closing cor.of secs. 2 and 3,mkd.C C on S., with 2 grooves on E.and 4 grooves on W.faces; from which</p> <p>A pinon pine, 11 ins.dia., bears S.69° E., 73 lks.dist..mkd.T 5 S R 7 W S 2 B T.</p> <p>A cedar, 15 ins.dia., bears S.18° W., 32 lks. dist..mkd.T 5 S R 7 W S 3 B T.</p> <p>Land, mountainous.</p> <p>Soil, gravelly and white clay; 3rd rate.</p> <p>Timber, pinon pine, cedar, and red pine.</p> <p>Good grass for grazing.</p> <p>↓ Mountainous or heavily timbered land, 79.80 chs.</p>

June 23, 1904.

June 24, 1904: At 7 h 2 m a.m., l.m.t., I set off 40° 00' N.,  
on the lat.arc; 23° 27' N., on the decl.arc; and determine a  
mer.with the solar, at the cor.of secs. 3, 4, 33, and 34, on  
S.bdy.or Tp., heretofore described.

Thence I run

N.0° 2' W. bet.secs. 33 and 34.

Over mountainous land; through heavy timber.

Subdivision of T. 5 S., R. 7 W.-Continued.

Chs.	Asc.
24.00	Top of divide ridge,bet.Indian and Lake Canon,500 ft. above sec.cor.,course N.35° E. and S.35° W.
	Desc.
40.00	Set a sandstone,14x10x4 ins.,10 ins.in the ground,for $\frac{1}{4}$ sec.cor..mkd. $\frac{1}{4}$ on W.face;from which A balsam ,10 ins.dia.,bears N.75° E.,75 lks. dist..mkd. $\frac{1}{4}$ S 34 B T. A red pine,8 ins.dia.,bears N.40° W.,10 lks. dist..mkd. $\frac{1}{4}$ S 33 B T.
75.00	Bottom of hollow,1000 ft.below ridge,course N.45° W.
	Asc.
80.00	Set a sandstone,15x8x5 ins.,10 ins.in the ground,for cor.of secs.27,28,33, and 34,mkd.with 1 notch on S.and 3 notches on E.edges;from which A red pine,15 ins.dia.,bears N.49° W.,183 lks. dist..mkd.T 5 S R 7 W S 28 B T. A balsam,8 ins.dia.bears S.65° W.,324 lks. dist..mkd.T 5 S R 7 W S 33 B T. No other trees within limits;dig pits,18x18x12 ins.,in secs.34 and 27, $5\frac{1}{2}$ ft.dist.;and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high,W.of cor. Land,mountainous. Soil,gravelly and white clay;3rd rate. Timber,pinon pine and cedar, and red pine and balsam. Good grass for grazing. Mountainous or heavily timbered land,80.00 chs.
	East, on a random line bet.sec's.27 and 34.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.02	Intersect N.and S.line,10 lks.N.of the cor.of secs. 26,27,34, and 35.
	Thence I run

Subdivision of T. 5 S., R. 7 W.-Continued.

Chs.

N. 89° 56' W., on a true line bet. secs. 27 and 34.

Over mountainous land; through heavy timber.

Desc.

18.00 Bottom of hollow, 400 ft. below sec. cor., course SE.

Asc.

40.01 Set a shalestone, 18x6x6 ins. 12 ins. in the ground, for  
sec. cor.. mkd.  $\frac{1}{2}$  on N. face; from which

A pinon pine, 12 ins. dia., bears N. 30° E., 38 lks.

dist.. mkd.  $\frac{1}{2}$  S 27 B T.

A red pine, 6 ins. dia., bears S. 40° W., 60 lks.

dist.. mkd.  $\frac{1}{2}$  S 34 B T.

44.50 Top of ridge, divide bet. Indian and Lake Canons, 600 ft. above  
hollow, bears N. 20° E. and S. 20° W.

Desc.

80.02 The cor. or secs. 27, 28, 33, and 34.

Land, mountainous.

Soil, gravelly loam and white clay; 2nd and 3rd rate.

Timber, pinon pine and cedar.

Good grass for grazing.

Mountainous or heavily timbered land, 80.02 chs.

June 24, 1904: At the noon hour the sky is overcast and  
solar observations are impossible.

---

N. 0° 2' W., bet. secs. 27 and 28.

Over mountainous land; through heavy timber.

Asc.

40.00 Set a sandstone, 16x10x4 ins., 11 ins. in the ground, for  
sec. cor.. mkd.  $\frac{1}{2}$  on W. face; from which

A pinon pine, 12 ins. dia., bears NE., 20 lks.

dist.. mkd.  $\frac{1}{2}$  S 27 B T.

A pinon pine, 10 ins. dia., bears S. 20° W., 60 lks.

dist. mkd.  $\frac{1}{2}$  S 28 B T.

Subdivision of T. 5 S., R. 7 W. -Continued.

Chs.	
60.00	Top of ridge, 200 ft. above sec.cor., bears NW and SE. Desc.
80.00	Set a sandstone, 20x14x 4 ins., 15 ins. in the ground, for cor. of secs. 21, 22, 27, and 28, mkd. with 2 notches on S. and 3 notches on E. edges; from which  A red pine, 10 ins. dia., bears N. 40° E., 100 lks. dist. mkd. T 5 S R 7 W S 22 B T.  A pinon pine, 8 ins. dia., bears S. 85° E., 75 lks. dist. mkd. T 5 S R 7 W S 27 B T.  A white pine, 16 ins. dia., bears S. 80° W., 20 lks. dist. mkd. T 5 S R 7 W S 28 B T.  A white pine, 8 ins. dia., bears N. 60° W., 85 lks. dist. mkd. T 5 S R 7 W S 21 B T.
	Land, mountainous.
	Soil, gravelly and white clay; 3rd rate.
	Timber, pinon pine, cedar, and white pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.
	S. 89° 56' E., on a random line bet. secs. 22 and 27.
40.00	Set temp. $\overline{x}$ sec.cor.
79.86	Intersect N. and S. line, 5 lks. N. of the cor. or secs. 22, 25, 26, and 27. Thence I run N. 89° 54' W., on a true line bet. secs. 22 and 27. Over mountainous land; through scattering timber and scattering undergrowth.
	Asc.
13.00	Top of ridge, 450 ft. above hollow, bears N. and S. Desc.
37.00	Bottom of hollow, 500 ft. below ridge, course N. Asc.

Subdivision of T.5 S., R.7 W.-Continued.

Chs.

- 39.95 Set a limestone, 15x9x4 ins., 10 ins. in the ground, for  
sec.cor. mkd.4 on N. face; from which  
A red pine, 10 ins. dia., bears N.  $10^{\circ}$  E., 20 lks.  
dist.. mkd.4 S 22 E T.  
A pinon pine, 10 ins. dia., bears S.  $20^{\circ}$  E., 30 lks.  
dist.. mkd.4 S 27 E T.
- 47.00 Top of ridge, 200 ft. above hollow, bears N. and S.  
Desc.
- 63.00 Enter ledges, bears N. and S.
- 67.00 Leave ledges, bears N. and S.
- 75.00 Bottom of hollow 450 ft, below ridge, course N.  
ASC.
- 77.00 Top of spur, 100 ft. above hollow, bears N and S.  
Desc.
- 79.86 The cor.or secs. 21, 22, 27, and 28.  
Land, mountainous.  
Soil, gravelly; 3rd rate.  
Timber, cedar, pinon pine, and red pine.  
Undergrowth, service berry and deer brush.  
Good grass for grazing.  
Mountainous land, 79.86 chs.

June 24, 1904.

June 25, 1904: At 7 h 2 m a.m., l.w.t., I set off  $40^{\circ}02'N.$ ,  
on the lat.arc;  $23^{\circ}25'W.$ , on the decl.arc; and determine a  
mer. with the solar, at the cor.or secs. 21, 22, 27, and 28.

Thence I run

$N.0^{\circ}2'W.$ , bet. secs. 21 and 22.

Over mountainous land; through heavy timber.

Desc.

Subdivision of T.5 S. R.7 W.-Continued.

chs.	
5.00	Leave timber,bears E.and W.
6.00	Foot of descent,200 ft. below sec.cor.,bears N.60° E. and S.60° W.
	Enter meadow in bottom of Lake Canon.
10.00	A spring of good water bears E.100 lks.dist.
17.00	A spring of good water on line ;course E.
18.00	Leave meadow at edge of canon,bears NE and SW.
	Asc. abruptly over ledges.
25.00	Enter scattering timber,bears E. and W.
40.00	Set a sandstone,18x10x3 ins.;12 ins.in the ground,for sec.cor.. mkd. $\frac{1}{4}$ on W.face;from which
	A pinon pine,10 ins.dia.,bears S.20° E.,150 lks. dist..mkd. $\frac{1}{4}$ S 22 B T.
	A pinon pine,12 ins.dia.,bears S.25° W.,175 lks. dist..mkd. $\frac{1}{4}$ S 21 B T.
58.00	Leave ledges,bears E. and W.
67.00	Top of ridge,1000 ft.above canon,bears N.50° W. and S.50° E.
	Desc.
76.00	Bottom of hollow,150 ft.below ridge,course E.
	Asc.
80.00	Set a limestone,30x16x3 ins.,22 ins.in the ground,for cor.of secs.15,16,21, and 22,mkd.5 S.on NE ,and 7 W.on SE faces;with 3 notches on S.,and E.edges;from which
	A pinon pine,16 ins.dia.,bears N.45° E.,59 lks. dist..mkd.T 5 S R 7 W S 15 B T.
	A pinon pine,10 ins.dia.,bears S.55° E.,60 lks. dist..mkd.T 5 S R 7 W S 22 B T.
	A pinon pine,11 ins.dia.,bears S.55° W.,85 lks. dist..mkd.T 5 S R 7 W S 21 B T.
	A pinon pine,16 ins.dia.,bears N.29° W.,75 lks. dist..mkd.T 5 S R 7 W S 16 B T.
	Land,mountainous and level.

Subdivision of T.5 S .R.7.W.-Continued.

- Chs. Soil, gravelly and rocky; 3rd and 4th rate.  
Timber, pinon pine and cedar.  
Good grass for grazing.  
Mountainous or heavily timbered land, 68.00 chs.
- 
- S.89° 54' E., on a random line bet. secs. 15 and 22.  
40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
80.08 Intersect N. and S. line, 21 lks.S. of the cor. of secs.  
14, 15, 22, and 23.  
Thence I run  
S.89° 57' W., on a true line bet. secs. 15 and 22.  
Over mountainous land; through scattering undergrowth.  
Desc.  
1.00 Foot of descent, 50 ft. below sec.cor., bears N.30° E. and S.  
30° W.  
Enter meadow in bottom of Lake Canon.  
1.50 Creek, 2 lks. wide, 2 ins. deep, course N.30° E.  
14.00 Leave meadow and enter dense undergrowth, bears N.30° E.  
and S.30° W.  
17.00 Leave canon bottom, bears NE. and SW.  
Leave undergrowth, bears NE and SW.  
Asc.  
18.50 Enter ledges, bears N. and S.  
25.50 Top of spur, 250 ft. above canon bottom, bears N.30° W. and S.  
30° E.  
Desc.  
28.50 Leave ledges, bears N.60° W. and S.60° E.  
35.00 Bottom of hollow, 200 ft. below spur, course S.80° E.  
Asc. through scattering timber.  
40.04 Set a limestone, 20x12x3 ins., 15 ins. in the ground, for  
 $\frac{1}{4}$  sec.cor., mkd.  $\frac{1}{2}$  on N. face; from which  
A pinon pine, 11 ins. dia., bears N.15° W., 28 lks.

Subdivision of T 5 S R 7 W.-Continued.

	lks.dist..mkd. $\frac{1}{2}$ S 15 B T.
	A cedar, 6 ins.dia., bears S.80°E., 75 lks.
	dist..mkd. $\frac{1}{2}$ S 22 B T.
80.08	The cor.of secs.15,16,21 ,and 22.
13	Land, mountainous.
47.08	Soil, gravelly ;3rd rate.
	Timber, pinon pine, red pine and cedar.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth,
67.08 chs.	
	June 25, 1904:At the noon hour the sky is overcast and solar observations are impossible.
	<hr/>
	N.0°2'W., betsecs.15 and 16.
	Over mountainous land; through heavy timber.
	Asc.
30.00	Top of divide bet.Lake and Dry Canons, 400 ft. above sec. cor., bears NE and SW.
	Desc.
40.00	Set a sandstone, 16x12x4 ins., 11 ins.in the ground, for $\frac{1}{2}$ sec.cor..mkd. $\frac{1}{2}$ on W.face; from which
	A balsam, 6 ins.dia., bears N.34°E., 60 lks.
	dist..mkd. $\frac{1}{2}$ S 15 B T.
	A red pine, 14 ins.dia., bears S.89°W., 142 lks.
	dist..mkd. $\frac{1}{2}$ S 16 B T.
53.00	Leave timber,bears NE and SW.
67.00	Bottom of Dry Canon, 500 ft.below ridge, course N.10°E.
	Asc.
70.00	Enter heavy timber,bears NE and SW.
80.00	Set a limestone, 20x10x4 ins., 15 ins.in the ground, for cor.of secs.9,10,15, and 16,mkd.with 4 notches on S.and

Subdivision of T. 5 S., R. 7 W.-Continued

Chs. 3 notches on E.edges; from which  
A pinon pine, 8 ins.dia., bears N. $60^{\circ}$ E., 75 lks.  
dist..mkd.T 5 S R' 7 W S 10 B T.  
A pinon pine, 6 ins.dia., bears S. $40^{\circ}$ E.,  
130 lks.dist..mkd.T 5 S R 7 W S 15 B T.  
A pinon pine, 10 ins.dia., bears S. $30^{\circ}$ E., 120  
lks.dist..mkd.T 5 S R 7 W S 16 B T.  
A pinon pine, 6 ins.dia., bears N. $10^{\circ}$ E., 40 lks.  
dist., mkd. T 5 S R 7 W S 9 B T.

Land, mountainous .

Soil, gravelly; 3rd rate.

Timber, pinon pine and cedar.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

June 25, 1904: At this cor. latitude  $40^{\circ}03'45''$ N., longitude  $110^{\circ}42'54''$ W., I set off  $40^{\circ}04'N.$ , on the lat.arc;  $23^{\circ}25'N.$ , on the decl.arc; and at 5 h 2 m p.m., l.m.t., I determine a mer. with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

June 25, 1904.

---

June 26, 1904: At 1 h 09.7 m a.m., l.m.t., I obs. Pol. at eastern elong. in accordance with the Manual, and mark a point in the line thus determined by a tack driven in a wooden plug, set in the ground, 5.00 chs. N. of the cor.

At 6 h 30 m a.m., l. m.t., I lay off the azimuth of col.  $1^{\circ}34.4'$  to the west, and mark the mer. thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark ralis 0.33 ins. east of the mark determined with the solar.

At 7 h 3 m a.m., l.m.t., I set off  $40^{\circ}04'N.$ , on the lat.arc;  $23^{\circ}24'N.$ , on the decl.arc; and mark the mer. determined with the solar, by a cross on the stone already set 5.00

Subdivision of T.5 S., R.7 W.-Continued.

Chs. N.of the cor.; this mark falls 0.4 ins.east of the mer. established by Polaris observation.  
 The solar apparatus by p.m. and a.m. observations derives positions for meridians respectively about  $0^{\circ}17'$  west and  $0^{\circ}21'$  east of the mer. established by sol. obsn.; therefore I conclude that the adjustments of the instrument are satisfactory.  
 The magnetic bearing of the mer. at 7 h 30 m a.m., is N. $16^{\circ}36'W.$ , the angle thus determined gives the mag.decl.  $16^{\circ}36'E.$

- N. $89^{\circ}57'E.$ , on a random line bet.secs.10 and 15.
- 40.00 Set temp.  $\pm$  sec.cor.
- 80.26 Intersect N.and S.line, 12 lks.S.of the cor.of secs.10,11, 14, and 15.  
 Thence I run  
 S. $89^{\circ}52'W.$ , on a true line bet.secs.10 and 15.  
 Over mountainous land; through heavy timber.  
 Asc.
- 27.00 Top of divide ridge bet.Lake and Sam's Canons, 150 ft. above sec.cor., bears N. $20^{\circ}E.$  and S. $20^{\circ}W.$   
 Desc.
- 34.00 Head bf canon, 160 ft. below ridge, course N.  
 Asc.
- 40.13 Set a limestone, 18x18x5 ins., 12 ins.in the ground, for  $\pm$  sec.cor., mkd.  $\pm$  on N.face; from which  
 A red pine, 6 ins.dia., bears N. $70^{\circ}W.$ , 25 lks. dist..mkd.  $\pm$  S 10 B T.  
 A red pine, 9 ins.dia., bears S. $30^{\circ}E.$ , 110 lks. dist..mkd.  $\pm$  S 15 B T.
- 43.00 Top of spur, 100 ft. above hollow, bears N. and S.  
 Desc.
- 66.00 Bottom of hollow, 300 ft. below spur, course N.  
 Asc.

Subdivision of T.5 S., R.7 W.-Continued.

- Chs.  
70.00 Top of spur, 100 ft. above hollow, bears N. and S.  
Desc.  
79.00 Bottom of Dry Canon, 300 ft. below spur, course N. 30° E.  
Asc.  
80.26 The cor. of secs. 9, 10, 15, and 16.  
Land, mountainous.  
Soil, gravelly and white clay; ora rate.  
Timber, pinon pine and cedar.  
Good grass for grazing.  
Mountainous or heavily timbered land, 80.26 chs.  
  
N. 0° 2' W., bet. secs. 9 and 10.  
Over mountainous land; through scattering timber.  
Asc.  
11.00 Top of divide ridge bet. Dry and Sam's Canons, 200 ft. above  
sec. cor., bears N. 20° E. and S. 20° W.  
Desc.  
39.00 Bottom of hollow, 250 ft. below ridge, course N. 60° W.  
Asc.  
40.00 Set a limestone, 16x11x3 ins., 12 ins. in the ground, for  
sec. cor.. mkd.  $\frac{1}{2}$  on W. face; from which  
A red pine, 10 ins. dia., bears S. 10° E., 35 lks.  
dist.. mkd.  $\frac{1}{2}$  S 10 B T.  
A pinon pine, 8 ins. dia., bears N. 40° W., 7 lks.  
dist.. mkd.  $\frac{1}{2}$  S 9 B T.  
50.00 Top of spur, 100 ft. above hollow, bears N. 30° W. and S. 30° E.  
Desc.  
80.00 Set a sandstone, 18x9x5 ins., 12 ins. in the ground, for  
cor. of secs. 5, 4, 9, and 10, mkd. with 5 notches on S. and  
3 notches on E. edges; and raise a mound of stone, 2 ft.  
base, 1 $\frac{1}{2}$  ft. high,  $\frac{1}{2}$  of cor.  
Land, mountainous.

卷之三

Subdivision of T.5 S., R.7 W.-Continued.

- Chs. Desc. through scattering timber.
- 70.00 Leave timber, bears N. 60°W. and S. 60°E.
- 73.00 Bottom of hollow, 600 ft. below spur, course N. 60°W.
- Asc.
- 80.38 The cor. of secs. 3, 4, 9, and 10.
- Land, mountainous.
- Soil, gravelly; 3rd rate.
- Timber, pinon pine and cedar, and red pine.
- Good grass for grazing.
- Mountainous land, 80.38 chs.
- 
- N. 0° 2' W., on a true line bet. secs. 3 and 4.
- Over mountainous land; through scattering undergrowth.
- Desc.
- 6.00 Bottom of hollow, 150 ft. below sec. cor., course N. 60°W.
- Asc.
- 33.00 Top of spur, 450 ft. above hollow, bears E. and W.
- Desc.
- 40.00 Set a sandstone, 18x9x4 ins., 12 ins. in the ground, for  
sec. cor.. mkd.  $\frac{1}{2}$  on W. face; from which
- A pinon pine, 5 ins. dia., bears N. 38°E., 42 lks.  
dist.. mkd.  $\frac{1}{2}$  S 3 B T.
- A pinon pine, 11 ins. dia., bears S. 55°W., 36  
lks. dist.. mkd.  $\frac{1}{2}$  S 4 B T.
- 41.00 Head of hollow, 100 ft. below ridge, course N. 75°W.
- Asc.
- 48.00 Top of spur, 75 ft. above hollow, bears N. and S. 15°E.
- Desc. along top of ridge.
- Enter heavy timber, bears N. and S. 15°E.
- 68.00 Leave ridge top, bears N. 15°E. and S.
- Desc.
- 79.90 Intersect 1st Standard Parallel South, 14.62 chs. East,  
of the standard cor. of secs. 33 and 34, which is a sandstone.

Subdivision of T. 5 S., R. 7 W.-Continued.

chs.: 5x10x5 ins., above ground, firmly set, and marked and witnessed as described by Deputies Stewart and Booth.  
Set a hard sandstone; 24x12x3 ins.; 18 ins. in the ground, for closing cor. of secs. 3 and 4, mkd. C C on S., with 3 grooves on E., and W. faces; from which  
A pinon pine, 9 ins. dia., bears E.  $50^{\circ}$  E., 40 lks. dist.. mkd. T 5 S R. 7 W S 3: B.T.  
A pinon pine, 11 ins. dia., bears S.  $38^{\circ}$  W., 52 lks. dist.. mkd. T 5 S R. 7 W S 4 B.T.  
Land, mountainous.  
Soil, gravelly; 3rd rate.  
Timber, pinon pine, red pine, and cedar.  
Undergrowth, sage brush.  
Good grass for grazing.  
Mountainous or heavily timbered land, 79.90 chs.

June 26, 1904.

June 27, 1904: At 7 h 2 m a.m., l.m.t., I set off  $40^{\circ}00'N.$ , on the lat. arc;  $23^{\circ}21'N.$ , on the decl. arc; and determine a mer. with the solur, at the cor. of secs. 4, 5, 32, and 33, on S. bdy. of Tp., heretofore described.

Thence I run

N.  $0^{\circ}3'W.$ , bet. secs. 32 and 33.

Over mountainous land; through scattering undergrowth.  
Asc.

13.00 Top of ridge, 100 ft. above sec. cor., bears N.  $10^{\circ}W.$  and S.  $10^{\circ}E.$ .

Enter scattering timber, bears with ridge.

Desc. along side of ridge.

40.00 Set a sandstone, 16x10x4 ins., 11 ins. in the ground, for sec. cor.. mkd. f on W. face; from which

A balsam, 8 ins. dia., bears S.  $45^{\circ}E.$ , 150 lks.

Subdivision of T. 5 S., R. 7 W. -Continued.

Chs.	dist.. mkd. $\frac{1}{4}$ S 33 B T. A balsam, 6 ins. dia., bears S. $40^{\circ}$ W., 125 lks.
	dist.. mkd. $\frac{1}{4}$ S 32 B T. Enter heavy timber, bears E. and W.
80.00	Set a sandstone, 16x8x4 ins., 11 ins. in the ground, for cor. of secs. 28, 29, 32, and 33, mkd. with 1 notch on S. and 4 notches on E. edges; from which
	A pinon pine, 8 ins. dia., bears N. $71^{\circ}$ E., 90 lks. dist.. mkd. T. 5 S R. 7 W S 28 B T.
	A pinon pine, 12 ins. dia., bears S. $53^{\circ}$ E., 120 lks. dist.. mkd. T. 5 S R. 7 W S 33 B T.
	A pinon pine, 13 ins. dia., bears S. $50^{\circ}$ W., 40 lks dist.. mkd. T. 5 S R. 7 W S 32 B T.
	A mahogany, 8 ins. dia., bears N. $25^{\circ}$ W., 85 lks. dist.. mkd. T. 5 S R. 7 W S 29 B T.
	Land, mountainous. Soil, gravelly, and white clay; 3rd rate. Timber, pinon pine, red pine, cedar, and mahogany. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, 80.00 chs.
40.00	Set temp. $\frac{1}{4}$ sec. cor. on a random line bet. secs. 28 and 33.
80.24	Intersect N. and S. line, 16 lks. N. of the cor. of secs. 27, 28, 33, and 34. Thence I run N. $89^{\circ} 53'$ W., on a true line bet. secs. 28 and 33. Over mountainous land; through dense undergrowth. desc.
4.00	Bottom of canon, 50 ft. below sec. cor., course N. $10^{\circ}$ W. Asc.

## Subdivision of T 5 S . R 7 W -Continued

Chs.	
8.00	Enter heavy timber and leave undergrowth, bears N. and S.
25.00	Top of ridge, 700 ft. above canon, bears N. 10° W. and S. 10° E.
	Desc.
33.00	Bottom of hollow, 150 below ridge, course N. 30° W.
	Asc.
40.12	Set a sandstone, 18x14x 4 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor.. mkd. <del>24</del> on N. face; from which A red pine, 5 ins. dia., bears N. 5° E., 35 lks. dist.. mkd. <del>24</del> S 28 B T. A red pine, 5 ins. dia., bears S. 15° E., 40 lks. dist.. mkd. <del>24</del> S 33 B T.
42.00	Top of ridge, 80 ft. above hollow, bears N. 30° W. and S. 30° E.
	Desc.
65.00	Bottom of canon, 600 ft. below spur, course N. 10° W. There is a spring of good water down this canon, about 20.00 chs. dist. not seen from line.
	Asc.
80.24	The cor. of secs. 28, 29, 32, and 33, Land, mountainous. Soil, gravelly and white clay; 3rd rate. Timber, pinon pine, red pine and cedar. Undergrowth, sage brush and deer brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.24 chs. June 27, 1904: At this cor. I set off 23° 20' N., on the decl. arc; and at 0° h: 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is 40° 01' N., which is the proper lat. nearly.
	N. 0° 3' W., bet. secs. 28 and 29.

Subdivision of 1.5' S., R. 7 W.-Continued.

Chs.	Over mountainous land; through heavy timber .
	Asc.
6.00	Top of ridge, 80 ft. above sec.cor., bears N.20°E. and S.20°W.
	Desc.
35.00	Leave timber, bears NE and SW.
40.00	Foot of mountain, 700 ft. below sec.cor., bears N.55°E. and S.55°W.
	Enter bottom of Lake Canon.
	Leave timber and enter dense greasewoods, bears N.55°E. and S.55°W.
	Set a shalesome, 20x12x5 ins., 15 ins. in the ground, for sec.cor.. mkd. $\frac{1}{2}$ on W. face; from which
	A. cedar, 5 ins. dia., bears S.75°E., 75 lks. dist. mkd. $\frac{1}{2}$ S 28. B T.
	No other trees within limits; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
54.00	Leave canon bottom, bears N.50°E. and S.50°W.
	Leave undergrowth and enter scattering timber, bears N.50°E. and S.50°W.
	Asc. abruptly over ledges.
70.00	Top of ridge, 600 ft. above canon, bears NW and SE.
	Leave ledges, bears NW and SE.
	Enter heavy timber, bears NW and SE.
	Desc.
80.00	Set a limestone, 20x14x3 ins., 15 ins. in the ground, for cor. of secs. 20, 21, 28, and 29, mkd. with 2 notches on S. and 4 notches on E. edges; from which
	A. pinon pine, 20 ins. dia., bears N.15°E., 50 lks. dist. mkd. T 5 S R 7 W C 21 B T.
	A. pinon pine, 12 ins. dia., bears S.75°E., 20 lks. dist. mkd. T 5 S R 7 W C 28 B T.
	A. pinon pine, 14 ins. dia., bears S.60°E., 35 lks. dist. mkd. T 5 S R 7 W C 29 B T.

Subdivision of T.5.S., R.7 W.-Continued.

Chs.	A cedar, 18 ins. dia., bears N. 50° W., 80 lks. dist.. mkd.T 5 S R 7 W S 20 B T.
	Land, mountainous.
	Soil, gravelly and white clay loam and rocky; 2nd and 3rd and 4th rate.
	Timber, pinon pine, red pine, and cedar..
	Undergrowth, greasewoods.
	Good grass for grazing.
	Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
<hr/>	
	S. 89° 53' E., on a random line bet. secs. 21 and 28.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
80.06	Intersect N. and S. line, 21 lks. S. of the cor. of secs. 21, 22, 27, and 28.
	Thence I run
	S. 89° 58' W., on a true line bet. secs. 21 and 28.
	Over mountainous land; through heavy timber.
	Desc.
11.50	Foot of descent, 200 ft. below sec. cor., bears NE and SW. Enter bottom of Lake Canon.
	Enter dense sage brush and leave timber, bears NE and SW.
40.03	Set a shalestone, 14x10x8 ins., 10 ins. in the ground, for $\frac{1}{2}$ sec. cor.. mkd. $\frac{1}{2}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
52.50	Leave canon bottom, bears NE and SW. Leave undergrowth, bears NE and SW.
	Ascend abruptly over ledges.
56.64	Top of spur, 200 ft. above canon, bears N. and S. Descend.
60.00	Enter heavy timber, bears NE and SW.
79.75	Bottom of hollow, 100 ft. below spur, course SE.

Subdivision of T.5 S., R.7 W.-Continued.

Chs. Asc.

- 80.06 The cor.of secs.20,21,28, and 29.  
 Land, mountainous and level.  
 Soil, gravelly and rocky; 3rd and 4th rate.  
 Timber, pinon pine and red pine.  
 Undergrowth, sage brush and greasewoods.  
 Good grass for grazing.  
 Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.06 chs.

June 27, 1904.

✓ June 28, 1904: At 7 h 3 m a.m. l.m.t., I set off  $40^{\circ}02'N.$ , on the lat.arc;  $23^{\circ}18'N.$ , on the decl.arc; and determine a mer. with the solar, at the cor.of secs.20,21,28, and 29.

Thence I run

$N.0^{\circ}3'W.$ , betsecs.20 and 21.

Over mountainous land; through heavy timber.

Desc.

- .25 Bottom of hollow, 25 ft. below sec.cor.course SE.

Asc.

- 35.00 Top of divide ridge, bet.Lake and Sam's Canons, 1200 ft. above hollow, bears NE. and SW.

Leave heavy and enter scattering timber, bears with ridge.

Desc.

- 40.00 Set a shalestone, 16x8x4 ins., 11 ins.in the ground, for sec.cor.. mkd.  $\frac{1}{4}$  on W.face; from which

A red pine, 5 ins.dia., bears S. $88^{\circ}E.$ , 54 lks.

dist. mkd.  $\frac{1}{4}$  S 21 B T.

A red pine, 6 ins.dia., bears N. $12^{\circ}W.$ , 28 lks.

dist.. mkd.  $\frac{1}{4}$  S 20 B T.

- 80.00 Point 600 ft. below ridge.

Set a sandstone, 22x9x5 ins., 16 ins.in the ground, for

Subdivision of T.5-S., R.7.W.-Continued.

- Chs. cor. or secs. 16, 17, 20, and 21, mkd. with 3 notches on S. and 4 notches on E. edges; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- Land, mountainous.
- Soil, gravelly and white clay; 3rd rate.
- Timber, pinon pine and red pine and cedar.
- Good grass for grazing.
- MOUNTAINOUS OR HEAVILY TIMBERED LAND, 80.00 chs.
- 
- N.  $89^{\circ} 58' E.$ , on a random line bet. secs. 16 and 21.
- 40.00 Set temp.  $\frac{1}{2}$  sec. cor.
- 80.30 Intersect N. and S. line, 21 lks. South of the cor. of secs. 15, 16, 21, and 22.
- Thence I run
- S.  $89^{\circ} 49' W.$ , on a true line bet. secs. 16 and 21.
- Over mountainous land; through heavy timber.
- Asc.
- 17.00 Top of ridge, 500 ft. above sec. cor., bears N.  $30^{\circ} E.$  and S.  $30^{\circ} W.$  This is divide ridge bet. Lake and Dry Canons.
- Desc.
- 20.00 Leave timber, bears N.  $30^{\circ} E.$  and S.  $30^{\circ} W.$
- 27.00 Head of Dry Canon, 120 ft. below ridge, course N.  $30^{\circ} E.$
- Asc.
- 40.15 Set a sandstone, 16x11x3 ins. ll ins. in the ground, for  $\frac{1}{2}$  sec. cor.. mkd.  $\frac{1}{2}$  on N. face; dig pits, 18x18x12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- 45.00 Top of divide ridge bet. Dry and Sam's Canons, 150 ft. above canon, bears N.  $10^{\circ} W.$  and S.  $20^{\circ} E.$
- Desc. through dense undergrowth, and scattering timber.
- 68.00 Leave timber, bears N. and S.
- 79.80 Bottom of hollow, 800 ft. below ridge, course N.  $20^{\circ} W.$
- Asc.

Subdivision of T 5 S .E. 7 W -Continued

Chs.

86.30 The cor. or secs. 16, 17, 20, and 21.

Land, mountainous.

Soil, gravelly and white clay; 3rd rate.

Timber, pinon pine and red pine.

Undergrowth, service berry, deer, and buck brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.30 chs.

June 28, 1904: At this cor. I set off  $23^{\circ}17'N.$ , on the decl. arc; and at 0 h 3 m p.m., l. m.t., I observe the sun on the mer. the resulting lat. is  $40^{\circ}03'N.$ , which is the proper lat. nearly.

$N.0^{\circ}3'W.$ , bet. secs. 16 and 17.

Over mountainous land; through scattering sage.

Desc.

.75 Bottom of hollow, course N.  $30^{\circ}W.$ .

Asc.

20.00 Enter scattering timber, bears E. and W.

39.00 Top of spur, 200 ft. above hollow, bears NW and SE.

Desc.

40.00 Set a sandstone, 18x9x4 ins., 12 ins. in the ground, for  $\frac{1}{2}$  sec.cor.. mkd.  $\frac{1}{2}$  on W. face; from which

A pinon pine, 10 ins. diam., bears E., 10 lks.  
dist.. mkd.  $\frac{1}{2}$  S 16 B.T.

A pinon pine, 14 ins. dia., bears S.  $80^{\circ}W.$ , 14  
lks. dist.. mkd.  $\frac{1}{2}$  S 17 B.T.

68.00 Bottom of canon, 500 ft. below ridge, course NE.

Asc.

80.00 Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for cor. of secs. 8, 9, 16, and 17., mkd. with 4 notches on S., and

Subdivision of T. 5 S., R. 7 W. -Continued.

Chs.

E.edges; from which

A pinon pine, 12 ins. dia., bears N. 20° E., 120 lks.  
dist. mkd. T 5 S R 7 W S 9 B T.

A pinon pine, 12 ins. dia., bears S. 43° W., 150 lks.  
dist. mkd. T 5 S R 7 W S 17 B T.

A pinon pine, 6 ins. dia., bears N. 16° W., 200 lks.  
dist. mkd. T 5 S R 7 W S 8 B T.

No tree within limits in sec. 16; raise a mound of stone,  
2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.

Land, mountainous.

Soil, gravelly and white clay; 3rd rate.

Timber. pinon pine and cedar.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, 80.00 chs.

---

N. 89° 49' E., on a random line bet. secs. 9 and 16.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.08 Intersect N. and S. line, 19 lks. N. of the cor. or secs.  
9, 10, 15, and 16.

Thence I run

S. 89° 57' W., on a true line bet. secs. 9 and 16.

Over mountainous land; through heavy timber.

Asc.

5.00 Top or divide ridge bet. Dry and Sam's Canons, 200 ft. above  
sec. cor., bears NE and SW.

Desc.

35.00 Bottom of hollow, 450 ft. below ridge, course NW.

Asc.

40.04 Set a sandstone, 15x10x4 ins., 10 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor.. mkd.  $\frac{1}{4}$  on N. face; from which

A red pine, 5 ins. dia., bears N. 57° W., 70 lks.

Subdivision of T.5 S. R.7 W.-Continued.

Chs.	dist..mka. $\frac{1}{4}$ S 9 B T.
	A pinon pine, 7 ins.dia., bears S.44°W., 42 lks.
	dist..mkd. $\frac{1}{4}$ S 16 B T.
50.00	Top of ridge, 80 ft. above hollow, bears NW and SE.
Desc.	
71.00	Bottom of hollow, 300 ft. below ridge, course NE.
Asc.	
80.08	The cor.of secs.8,9,16, and 17.
	Land, mountainous.
	Soil, gravelly and white clay; 3rd rate.
	Timber, pinon pine, red pine, and cedar.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.08 chs.

June 28, 1904.

---

June 28, 1904: At 7 h 3 m a.m., l.m.t., I set off  $40^{\circ}04'N.$ ,  
on the lat.arc;  $23^{\circ}14'N.$ , on the decl.arc; and determine  
a mer. with the solar, at the cor.of secs.8,9,16, and 17.  
Thence I run  
 $N.0^{\circ}3'W.$ , bet.secs.8 and .9.  
Over mountainous land; through heavy timber.  
Asc.  
40.00 Set a limestone, 16x10x4 ins., 11 ins. in the ground, for  
 $\frac{1}{4}$  sec.cor..mkd. $\frac{1}{4}$  on W.face; from which  
A pinon pine, 8 ins.dia., bears N.35°E., 80 lks.  
dist..mkd. $\frac{1}{4}$  S 9 B T.  
A pinon pine, 10 ins.dia., bears N.75°W., 90 lks.  
dist..mkd. $\frac{1}{4}$  S 8 B T.  
48.00 Top of ridge, 400 ft. above sec.cor., bears N.20°E. and S.  
 $20^{\circ}W.$   
Desc.along side of ridge.

Subdivision of T.15 S., R.7 W.-Continued.

Chs.	
80.00	<p>Set a limestone, 16x10x7 ins., 11 ins. in the ground, for cor. or secs. 4, 5, 8, and 9, mkd. with 5 notches on S. and 4 notches on E. edges; from which</p> <p>A pinon pine, 10 ins. dia., bears N. <math>35^{\circ}</math> E., 100 lks. dist.. mkd. T 5 S R 7 W S 4 B T.</p> <p>A balsam, 6 ins. dia., bears S. <math>15^{\circ}</math> E., 100 lks. dist.. mkd. T 5 S R 7 W S 9 B T.</p> <p>A balsam, 4 ins. dia., bears S. <math>70^{\circ}</math> W., 60 lks. dist.. mkd. T 5 S R 7 W S 8 B T.</p> <p>A balsam, 4 ins. dia., bears N. <math>89^{\circ}</math> W., 60 lks. dist.. mkd. T 5 S R 7 W S 5 B T.</p> <p>Land, mountainous.</p> <p>Soil, gravelly; 5rd rate.</p> <p>Timber, pinon pine and red pine.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, 80:00 chs.</p>
	<hr/> <p>N. <math>89^{\circ} 57'</math> E., on a random line bet. secs. 4 and 9.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.14	<p>Intersect N. and S. line, 10 lks. N. or the cor. or secs. 3, 4, 9, and 10.</p> <p>Hence I run</p> <p>N. <math>89^{\circ} 59'</math> W., on a true line bet. secs. 4 and 9.</p> <p>Over mountainous land; through scattering undergrowth.</p> <p>Asc.</p>
2.00	Top of spur, 25 ft. above sec. cor., bears N. and S.
	Desc.
3.50	Enter scattering timber, bears N. $30^{\circ}$ E. and S. $30^{\circ}$ W.
6.00	Leave timber, bears N. and S.
11.00	Bottom of hollow, 1250 ft. below spur, course N.
	ASC.
21.00	Top of spur, 140 ft. above hollow, bears N. $30^{\circ}$ W. and S. $30^{\circ}$ E.

Subdivision of T.5 S., R.7 W.-Continued.

Chs.	Desc.
27.00	Enter heavy timber, bears N. and S.
36.50	Leave timber, bears N. and S.
40.07	Set a sandstone, 18x7x4 ins., 12 ins. in the ground, for sec.cor., mka. on N. face; and raise a mound of stone, ft. base, 12 ft. high, N. of cor..
	Bottom of canon, 300 ft. below ridge, course N. 20° E.
	Asc.
45.00	Enter scattering timber, bears N. 20° E. and S. 20° W.
69.50	Leave timber, bears N. and S.
70.00	Top of ridge, 800 ft. above canon, bears N. 10° E. and S. 10° W.
	Desc.
80.14	The cor. or secs. 4, 5, 8, and 9. land, mountainous. Soil, gravelly and white clay; 3rd rate. Timber, pinon pine and cedar. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, 80.14 chs. June, 29, 1904: At the noon hour the sky is overcast, and solar observations are impossible.
	N. 0° 3' W., on a true line bet. secs. 4 and 5. Over mountainous land; through scattering timber.
	Asc.
8.00	Top of ridge, 20 ft. above sec.cor., bears N. 70° W. and S. 70° E.
	Desc.
17.00	Leave timber, bears N. 20° W. and S. 20° E.
22.00	Bottom of hollow, 300 ft. below spur, course N. 25° E.
	ASC.

Subdivision of T. 5 S. & R. 7 W.-Continued.

chs.

- 56.00 Enter scattering timber, bears N.30° E. and S.30° W.
- 40.00 Set a sandstone, 20x14x3 ins., 15 ins. in the ground, for  
sec. cor. mkd.  $\frac{1}{2}$  on W. race; from which  
 A pinon pine, 14 ins. dia., bears S.5° E., 40 lks.  
 dist. mkd.  $\frac{1}{2}$  S 4 B.T.  
 A pinon pine, 8 ins. dia., bears N.80° W. 25 lks.  
 dist. mkd.  $\frac{1}{2}$  S 5 B.T.
- 67.75 Top of ridge, 550 ft. above hollow, bears N.40° E. and S.40° W.
- Desc.
- 79.70 Intersect 1st Standard Parallel South, 14.34 chs. E. of the standard cor. or secs. 32 and 33, which is a sandstone, 5x12x6 ins. above ground, firmly set, and marked and witnessed as described by Deputies Stewart and Booth.  
 Set a sandstone, 18x9x5 ins., 12 ins. in the ground, for closing cor. or secs. 4 and 5, mkd. C C on S., with 4 grooves on E. and 2 grooves on W. races; from which  
 A maple, 6 ins. dia., bears S.24° 40'E., 240 lks.  
 dist. mkd. T 5 S R 7 W S 4 B.T.  
 A pinon pine, 11 ins. dia., bears S.39° 40'W., 205 lks. dist., mkd. T 5 S R 7 W S 5 B.T.
- Land, mountainous.
- Soil, gravelly and white clay; 3rd rate.
- Timber, pinon pine and cedar.
- Good grass for grazing.
- Mountainous land, 79.70 chs.

June 29, 1904.

---

June 30, 1904: At 7 h 2 m a.m., I set off 40° 00' N., on the lat. arc; 23° 12' N., on the decl. arc; and determine an mer. with the solar, at the cor. of secs. 5, 6, 31, and 32,

Subdivision of T. 5 S., R. 7 W. Continued

- Chs. on S.bdy.of Tp., heretofore described.
- Thence I run  
N. $0^{\circ} 4' W.$ , bet. secs. 31 and 32.  
Over mountainous land; through heavy timber.
- Asc.
- 15.00 Top of spur, 150 ft. above sec.cor., bears E. and W.
- Desc.
- 25.00 Bottom of hollow, 400 ft. below spur, course N. $70^{\circ} W.$  Asc.
- 26.00 Leave heavy and enter scattering timber, bears NE and SW.
- 28.00 Top of ridge, 250 ft. above hollow, bears E. and W.
- Desc.
- 31.00 Enter ledges, bears NE and SW.
- 40.00 Set a sandstone,  $24 \times 12 \times 10$  ins. 18 ins. in the ground, for  
 $\frac{1}{2}$  sec.cor., mkd.  $\frac{1}{4}$  on W. face; from which  
A pinon pine, 4 ins. dia., bears N. $45^{\circ} W.$ , 50 lks.  
dist.. mkd.  $\frac{1}{4}$  S 32 B T.  
No other trees within limits; raise a mound of stone, 2 ft.  
base,  $1\frac{1}{2}$  ft. high, W. of cor.
- 46.00 Leave ledges, bears NE and SW.  
Leave timber, bears NE and SW.
- 58.00 Old pole fence, bears N. $65^{\circ} W.$ , 10.00 chs. and S. $65^{\circ} E.$ , 1.50  
chs. to ledges on each side of canon.  
There is a circular corral in bottom of canon NE of  
fence.
- 60.00 Foot of descent, 700 ft. below spur, bears N. $40^{\circ} E.$  and S. $20^{\circ}$   
W.  
Enter bottom of Lake Canon.
- Enter dense undergrowth, bears N. $40^{\circ} E.$  and S. $20^{\circ} W.$
- 67.50 Wash, 2 ft. deep, 5 lks. wide, course N. $50^{\circ} E.$
- 78.00 Leave canon bottom, bears N. $60^{\circ} E.$  and S. $60^{\circ} W.$
- Asc.
- 80.00 Set a limestone,  $16 \times 8 \times 6$  ins., 11 ins. in the ground, for  
cor. of secs. 29, 30, 31, and 32, mkd. with 1 notch on S. and  
5 notches on E edges; and raise a mound of stone, 2 ft. base,

Subdivision of T 5 S., R. 7 W.-Continued.

Chs.	; 1 $\frac{1}{2}$ ft. high, W. of cor. Land, mountainous and level. Soil, gravelly loam and white clay; 2nd and 3rd rate. Timber, pinon pine and cedar. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, \$0.00 chs.
40.00	East, on a random line bet. secs. 29 and 32. Set temp. $\frac{1}{2}$ sec. cor.
80.22	Intersect N. and S. line, 14 lks. S. of the cor. of secs. 28, 29, 32, and 33. Thence I run S. 89° 54' W., on a true line bet. secs. 29 and 32. Over mountainous land; through heavy timber. Ascend.
2.50	Top of ridge, 80 ft. above cor.; bears N. 30° E. and S. 30° W. Desc.
21.00	Bottom of canon, 600 ft. below ridge, course N. Asc.
24.00	Top of spur, 75 ft. above canon, bears N. and S. Desc.
35.00	Bottom of canon, 250 ft. below ridge, course N. 10° E. Asc.
40.11	Set a sandstone, 20x10x3 ins., 15 ins. in the ground, for $\frac{1}{2}$ sec. cor... mkd. $\frac{1}{2}$ on N. face; from which A pinon pine, 10 ins. dia., bears S. 10° E., 40 lks. dist.. mkd. $\frac{1}{2}$ S 32 B T. A pinon pine, 10 ins. dia., bears N. 10° E., 42 lks. dist.. mkd. $\frac{1}{2}$ S 29 B T.
45.00	Top of ridge, 600 ft. above canon, bears N. 20° E. and S. 20°

Subdivision of T.5 S. R.7 W.-Continued.

Chs.	W.	Desc.
64.00	Foot of descent, 600 ft. below ridge, bears N.60° E. and SW. Leave timber and enter dense undergrowth, bears N.60° E. and SW. Enter bottom of Lake Canon.	
65.25	Wash, 2 ft. deep, 5 lks. wide, course N.60° E.	
77.00	Leave canon bottom, bears N.60° E. and S.60° W.	
	Asc.	
80.22	The cor. of secs. 29, 30, 31, and 32.  Land, mountainous, and level.  Soil, gravelly loam and white clay; 2nd and 3rd rate.  Timber, pinon pine and cedar.  Undergrowth, sage brush.  Good grass for grazing.  Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.22 chs.	
	West, on a random line bet. secs. 30 and 31.  Set temp. $\frac{1}{2}$ sec. cor.	
40.00		
78.14	Intersect W. bdy. of Tp., 5 lks. S. of the cor. of secs. 25, 30, 31, and 36, heretofore described  Thence I run  S.89° 58' E., on a true line bet. secs. 30 and 31.  Over mountainous land; through scattering timber.	
	Asc.	
11.00	Top of divide ridge bet. Sam's and Lake Canors, 200 ft. above sec. cor., bears NE and SW.  Desc. along side of ridge.	
	Desc.	
38.14	Set a shalestone, 15x10x6 ins., 10 inc. in the ground, for sec. cor. mkd. $\frac{1}{2}$ on N. face; from which  A red pine, 15 ins. dia., bears N.60° E., 70 lks. dist.. mkd. $\frac{1}{2}$ S 30 B T.	

Subdivision of T. 5 S. R. 7 W. -Continued.

- |       |                                                                                                                                                                                                                             |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chs.  | A balsam, 8 ins. dia., bears S. 40° E., 38 lks.<br>dist. . m.kd. $\frac{1}{4}$ S 31 B T.                                                                                                                                    |
| 72.00 | Bottom of hollow, 1500 ft. below ridge, course SE.<br>Leave timber, bears with hollow.<br>Asc. abruptly, over ledges.                                                                                                       |
| 75.00 | Top of spur, 250 ft. above hollow, bears NW and SE.<br>Desc. abruptly..                                                                                                                                                     |
| 78.14 | The cor. of secs. 29, 30, 31, and 32. (200 ft. below spur)<br>Land, mountainous.<br>Soil, white clay and gravelly; 3rd rate.<br>Timber, red pine and pinon pine.<br>Good grass for grazing.<br>Mountainous land, 78.14 chs. |
|       | June 30, 1904: At this cor. I set off 23° 11' N., on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is 40° 01' N., which is the proper lat. nearly.                           |
| <hr/> |                                                                                                                                                                                                                             |
|       | N. 0° 4' W., bet. secs. 29 and 30.<br>Over mountainous land.<br>Desc.                                                                                                                                                       |
| 1.00  | Bottom of hollow, 10 ft. below sec. cor., course SE.<br>Ascend abruptly over ledges.                                                                                                                                        |
| 5.00  | Top of spur, 250 ft. above hollow, bears NW and SE.<br>Desc. Leave ledges.                                                                                                                                                  |
| 9.50  | Bottom of hollow, 200 ft. below spur, course SE.<br>Asc. abruptly.                                                                                                                                                          |
| 26.00 | Top of ridge, 800 ft. above hollow; bears NW and SE.<br>Desc. through heavy timber.                                                                                                                                         |
| 40.00 | Set a sandstone, 12x10x6 ins., 8 ins. in the ground, for<br>$\frac{1}{4}$ sec. cor.. m.kd. $\frac{1}{4}$ on W. face; from which<br>A pinon pine, 5 ins. dia., bears N. 80° E., 35 lks.                                      |

Subdivision of T. 5 S R 7 W -Continued

- |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chs.  | Dist., mkd. $\frac{1}{4}$ S 29 B T.<br><br>A red pine, 8 ins. dia., bears S. 80° W., 80 lks.<br><br>dist., mkd. $\frac{1}{4}$ S 30 B T.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 42.75 | Bottom of hollow, 500 ft. below ridge, course S. 60° E.<br><br>Asc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 55.00 | Leave heavy and enter scattering timber, bears E. and W.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 79.00 | Top of divide ridge, bet. Lake and Sam's Canons, 800 ft.<br>above hollow, bears N. 80° E. and S. 60° W.<br><br>Desc.                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 80.00 | Set a sandstone, 18x14x4 ins., 12 ins. in the ground, for<br>cor. of secs. 19, 20, 29, and 30, mkd. with 2 notches on S. and<br>5 notches on E. edges; from which<br><br>A red pine, 8 ins. dia., bears N. 34° E., 60 lks.<br>dist., mkd. T 5 S R 7 W S 20 B T.<br><br>A red pine, 8 ins. dia., bears S. 85° E., 32 lks.<br>dist., mkd. T 5 S R 7 W S 29 B T.<br><br>A red pine, 5 ins. dia., bears S. 56° W., 32 lks.<br>dist., mkd. T 5 S R 7 W S 30 B T.<br><br>A red pine, 8 ins. dia., bears N. 21° W., 55 lks.<br>dist., mkd. T 5 S R 7 W S 19 B T.. |
|       | Land, mountainous..                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|       | Soil, gravelly and rocky; 3rd and 4th rate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|       | Timber, red pine and pinon pine.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|       | A very little grass.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|       | Mountainous or heavily timbered land, 80.00 chs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|       | <hr/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|       | N. 89° 54' E., on a random line bet. secs. 20 and 29.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 40.00 | Set temp $\frac{1}{4}$ sec. cor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 80.10 | Intersect N. and S. line, 21 lks. N. of the cor. of secs.<br>20, 21, 28, and 29.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|       | Thence I run                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       | N. 89° 57' W., on a trueline bet. secs. 20 and 29.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

Subdivision of T. 5 S. R. 7 W.-Continued.

Chs.	Over mountainous land; through heavy timber.
	Asc.
11.00	Top of ridge, 250 ft. above sec.cor., bears NW and SE.
	Desc.
22.00	Bottom of hollow, 400 ft. below ridge, course S.30°E.
	Asc.
36.00	Top of ridge, 500 ft. above hollow, bears N.20°W. and S.20°E.
	Desc.
40.05	Set a shalestone, 20x16x3 ins., 15 ins. in the ground, for sec.cor., mkd. $\frac{1}{2}$ on N. face; from which A pinon pine, 8 ins. dia., bears N.75°W., 20 lks. dist.. mkd. $\frac{1}{2}$ S 20 B T. A pinon pine, 10 ins. dia., bears S.50°E., 50 lks. dist.. mkd. $\frac{1}{2}$ S 29 B T.
50.00	Bottom of hollow, 400 ft. below ridge, course S.20°E.
	Asc.
71.00	Top of divide ridge bet. Lake and Sam's canons, 600 ft. above hollow, bears N.80°E. and S.80°W.
	Desc.
80.10	The cor. of secs. 19, 20, 29, and 30. Land, mountainous. Soil, gravelly and rocky; 3rd and 4th rate. Timber, pinon pine and red pine. Good grass for grazing. Mountainous or heavily timbered land, 80.10 chs.

June 30, 1904.

---

July 1, 1904: At 7 h 2 m a.m., 1.m.t., I set off 40°02'N.,  
on the lat.arc; 23°9'N., on the decl.arc; and determine a  
mer. with the solar, at the cor. of secs. 19, 20, 29, and 30.  
Thence I run

Subdivision of T. 5 S. R. 7 W.-Continued.

- Chs. N. 89° 58' E., on a random line bet. secs. 19 and 30.
- 40.00 Set temp.  $\frac{1}{2}$  sec. cor.
- 78.03 Intersect W. bdy. of Tp. at the cor. of secs. 19, 24, 25, and 30, heretofore described.  
Thence 1 run  
S. 89° 58' E., on a true line bet. secs. 19 and 30.  
Over mountainous land; through scattering timber.
- Desc.
- 9.00 Bottom of hollow, 200 ft. below sec. cor., course N. 10° W.
- Asc.
- 19.00 Top of spur, 100 ft. above hollow, bears N. 20° W. and S. 20° E.
- Desc.
- 38.03 Bottom of hollow, 400 ft. below ridge, course N. 60° W.  
Set a shalestone, 18x14x5 ins., 12 ins. in the ground, for  
sec. cor.. mkd.  $\frac{1}{2}$  on N. face; from which  
A balsam, 8 ins. dia., bears N. 9° W., 30 lks.  
dist.. mkd.  $\frac{1}{2}$  S 19 B T.  
A balsam, 18 ins. dia., bears S. 26° W., 33 lks.  
dist.. mkd.  $\frac{1}{2}$  S 30 B T.
- Asc.
- 64.00 Top of ridge, 900 ft. above hollow, bears N. 20° W. and S. 20° E.
- Desc.
- 73.00 Head of hollow, 300 ft. below ridge, course N. 10° W.
- Asc.
- 78.03 The cor. of secs. 19, 20, 29, and 30.  
Land, mountainous.  
Soil, gravelly and white clay; 3rd rate.  
Timber, pinon pine, red pine and balsam.  
Good grass for grazing.  
Mountainous land, 78.03 chs.
- 
- N. 6° 4' W., bet. secs. 19 and 20.  
Over mountainous land; through scattering timber.

Subdivision of T 5 S R 7 W -Continued

Chs.	Desc. along side of ridge.
40.00	Top of ridge, 300 ft. below sec. cor., bears N. 15° W. and S. 15° E. Set a sandstone, 18x9x7 ins., 12 ins. in the ground, for sec. cor.. mkd. $\frac{1}{4}$ on W. face; from which  A red pine, 12 ins. dia., bears N. 32° E., 320 lks. dist.. mkd. $\frac{1}{4}$ S 20 B.T.  A red pine, 10 ins. dia., bears N. 37° W., 290 lks. dist.. mkd. $\frac{1}{4}$ S 19 B.T.
	Desc.
72.80	Bottom of hollow, 400 ft .below ridge, course N. 20° W. Continue descent.
80.00	Set a sandstone, 16x9x4 ins., 11 ins. in the ground, for cor. of secs .17,18,19, and 20, mkd. with 3 notches on S. and 5 notches on E.edges; from which  A pinon pine, 14 ins. dia., bears N. 25° E., 115 lks. dist., mkd. T 5 S R 7 W S 17 B.T.  A pinon pine, 6 ins. dia., bears S. 64° E., 60 lks. dist.. mkd. T 5 S R 7 W S 20 B.T.  A red pine, 10 ins. dia., bears S. 9° W., 420 lks. dist.. mkd. T 5 S R 7 W S 19 B.T.  A red pine, 10 ins. dia., bears N. 58° W., 340 lks. dist.. mkd. T 5 S R 7 W S 18 B.T.
	Land, mountainous.
	Soil, gravelly and white clay ;3rd rate.
	Timber, pinon pine, red pine, and balsam.
	Good grass for grazing.
	Mountainous land, 80.00 chs.
	<hr/>
40.00	S. 89° 57' E., on a random line bet. secs. 17 and 21. Set temp. $\frac{1}{4}$ sec.cor.
80.22	Intersect N. and S.line, 19 lks.N. of the cor.of secs. 16,17,20, and 21.

Subdivision of T.5 S., R.7 W.-Continued.

Chs.	N. $89^{\circ}49'W$ , on a true line bet. secs. 17 and 20.
	Over mountainous land, through scattering undergrowth.
	Asc.
2.50	Point of spur, 10 ft. above sec. cor., bears N. and S.
	Desc.
5.00	Bottom of hollow, 25 ft. below spur, course N.
	Asc.
21.00	Top of ridge, 700 ft above hollow, bears N. and S.
	Desc.
21.50	Enter scattering timber, bears N. and S.
36.00	Leave timber, bears N. and S.
40.11	Set a sandstone, 14x12x10 ins., 9 ins. in the ground, for $\frac{1}{2}$ sec. cor.. mkd. $\frac{1}{2}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
43.00	Bottom of hollow, 500 ft. below ridge, course N.
	Asc.
49.00	Top of ridge, 400 ft. above hollow, bears N. and S.
	Desc.
63.00	Bottom of hollow, 500 ft. below ridge, course N.
	Asc.
74.00	Top of ridge, 400 ft. above hollow, bears N. and S.
	Desc.
80.22	The cor. of secs. 17, 18, 19, and 20.
	Land, mountainous.
	Soil, gravelly loam and rocky; 2nd and 4th rate.
	Timber, pinon pine and red pine.
	Undergrowth, sage brush and deer brush.
	Good grass for grazing.
	Mountainous land, 80.22 chs.
	July 1, 1904: At this cor. I set off $23^{\circ}07'N.$ , on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is $40^{\circ}03'N$ , which is the proper lat. nearly.

Subdivision of T 5 S R.7 W -Continued.

chs.	
	N.89°58'W., on a random line bet. secs. 18 and 19.
40.00	Set temp. $\pm$ sec. cor.
78.11	Intersect W. of Tp., 23 lks. S. of the cor. of secs. 13, 18, 19, and 24, heretofore described. Thence I run S.89°48'E., on a true line bet. secs. 18 and 19. Over mountainous land, through scattering timber. Desc.
26.00	Foot of descent, 300 ft. below sec. cor., bears N.20°E. and S.20°W. Enter bottom of Sam's Canon. Enter dense undergrowth, bears N.10°E. and S.10°W.
27.25	Trail, bears N.10°E. and S.10°W.
29.00	Leave canon bottom and begin ascent, bears N.10°E. and S.10°W.
38.11	Set a sandstone, 18x8x4 ins., 12 ins. in the ground, for $\pm$ sec. cor.. mkd. $\pm$ on N. face; from which A red pine, 16 ins. dia., bears N.5°E., 43 lks. dist.. mkd. $\pm$ S 18 B T. A red pine, 12 ins. dia., bears S.54°E., 56 lks. dist.. mkd. $\pm$ S 19 B T.
49.00	Top of ridge, 500 ft. above canon, bears N.25°E. and S.25°W. Desc.
55.50	Bottom of hollow, 300 ft. below ridge, course N.30°E. Asc.
71.50	Top of spur, 100 ft. above hollow, bears N. and S. Desc.
75.50	Bottom of hollow, 100 ft. below ridge, course N.20°W. Asc.
78.11	The cor. of secs. 17, 18, 19, and 20. Land, mountainous, and level. Soil, gravelly loam and white clay; 2nd and 3rd rate.

100

Subdivision of T.5.S. R.7 W.-Continued.

- Chs. Timber, pinon pine and cedar.  
Undergrowth, sage brush and buck brush.  
Good grass for grazing.  
Mountainous land, or land covered with dense undergrowth,  
78 .11 chs.
- 
- N. 0° 4' W., bet. secs. 17 and 18.  
Over mountainous land; through scattering timber.  
Desc. along side of hollow.  
13.00 Bottom of hollow, 200 ft. below sec. cor., course N. 30° E.  
Asc.  
21.00 Top of spur, 50 ft. above hollow; bears NE and SW.  
Desc.  
26.00 Bottom of hollow, 100 ft. below spur, course NE.  
Asc.  
40.00 Set a shalestone, 16x10x5 ins., 11 ins. in the ground, for  
sec. cor., mkd.  $\frac{1}{2}$  on W. face; from which  
A pinon pine, 5 ins. dia., bears N. 22° E., 51 lks.  
dist.. mkd.  $\frac{1}{2}$  S 17 B T.  
A pinon pine, 4 ins. dia., bears N. 25° W., 54 lks.  
dist.. mkd.  $\frac{1}{2}$  S 18 B T.  
40.25 Top of ridge, 600 ft. above hollow, bears NE and SW.  
Desc.  
76.00 Bottom of hollow, 450 ft. below ridge, course W.  
Asc.  
80.00 Set a shalestone, 20x7x4 ins., 15 ins. in the ground, for  
cor. of secs. 7, 8, 17, and 18, mkd. with 4 notches on S. and 5  
notches on E. edges; from which  
A pinon pine, 12 ins. dia., bears N. 80° E., 210  
lks. dist.. mkd. T 5 S R 7 W S 8 B T.  
A pinon pine, 10 ins. dia. bears S. 57° E., 89 lks.  
dist.. mkd. T 5 S R 7 W S 17 B T.  
A pinon pine, 10 ins. dia., bears S. 60° W., 220

Subdivision of T. 5 S. R. 7 W.-Continued.

Chs.	lks.dist..mkd.T 5 S R 7 W S 18 B.T. A pinon pine, 16 ins.dia., bears N.50°W., 120 lks. disr..mkd.T 5 S R 7 W S 7 B.T. Land, mountainous. Soil, gravelly; 3rd rate. Timber, pinon pine, red pine, and cedar. Good grass for grazing. Mountainous land, 80.00 chs.
	July 1, 1904.
	July 2, 1904: At 7 h 2 m a.m., l.m.t., I set off 40° 04'N., on the lat.arc; 23° 4'N., on the decl.arc; and determined a mer. with the solar at the cor.of secs. 7, 8, 17, and 18. Thence I run S.89° 49'E., on a random line bet.secs. 8 and 17.
40.00	Set temp. & sec.cor.
80.28	Intersect N.and S.line, 16 lks.S.of cor.of secs. 8, 9, 16, and 17.. Thence I run N.89° 56'W., on a true line bet.secs. 8 and 17. Over mountainous land; through heavy timber.
	Asc.
40.14	Set a limestone, 16x12x3 ins., 11 ins.in the ground, for sec.cor..mkd. $\frac{1}{4}$ on N.face; from which A pinon pine, 12 ins.dia., bears N.12°W., 100 lks. dist..mkd. $\frac{1}{4}$ S 8 B T. A pinon pine, 10 ins.dia., bears S.30°E., 25 lks. dist..mkd. $\frac{1}{4}$ S 17 B T.
45.00	Top of ridge, 600 ft.above sec.cor., bears N.30°E. and S.30° W. Desc.
58.00	Bottom of hollow, 200 ft.below ridge, course N. Asc.

Subdivision of T.5 S., R.7 W.-Continued.

- Clis.
- 67.00 Top of ridge, 150 ft. above hollow, bears N.30° E. and S.30° W.  
Desc.
- 80.28 The cor. of secs. 7, 8, 17, and 18.  
Land, mountainous .  
Soil, gravelly and rocky; 3rd and 4th rate.  
Timber, pinon pine, red pine, and cedar.  
Good grass for grazing  
Mountainous or heavily timbered land, 80.28 chs.
- 
- N.89° 48' W., on a random line bet. secs. 7 and 18.  
40.00 Set temp. at sec. cor.
- 78.06 Intersect W. bdy. of Tp., 10 lks. N. of the cor. of secs.  
7, 12, 13, and 18. heretofore described .  
Thence 1 run  
N.89° 52' E., on a true line bet. secs. 7 and 18.  
Over mountainous land; through scattering timber.  
Desc.
- 4.00 Bottom of hollow, 200 ft. below sec. cor., course N.  
Asc.
- 10.00 Top of spur, 100 ft. above hollow, bears NE and SW.  
Desc.
- 34.00 Leave timber, bears N. and S.
- 36.00 Foot of descent, 500 ft. below spur, bears N. and S.  
Enter bottom of Sam's Canon.  
Enter dense undergrowth, bears N. and S.
- 38.06 Set a sandstone, 16x8x4 ins., 11 ins. in the ground, for  
sec. cor.. mkd. # on N. face. and raise a mound of stone,  
2 ft. base, 1½ ft. high, N. of cor.
- 43.00 Leave canon bottom, bears N. and S.  
Leave undergrowth and enter heavy timber, bears N. and S.  
Asc.

Subdivision of T 5 S. R. 7 W.-Continued.

chs.

- 78.06 The cor. of secs. 7, 8, 17, and 18.  
Land, mountainous and level.  
Soil, gravelly loam and white clay; 2nd and 3rd rate.  
Timber, pinon pine, red pine and cedar.  
Undergrowth, sage brush.  
Good grass for grazing.  
Mountainous or heavily timbered land; or land covered  
with dense undergrowth, 78.06 chs.
- 

N.  $0^{\circ} 4' W.$ , bet. secs. 7 and 8.

Over mountainous land; through heavy timber.

Asc.

- 6.50 Top of ridge, 150 ft. above sec. cor., bears E. and W.

Desc.

- 16.00 Bottom of hollow, 200 ft. below ridge, course W.

Leave heavy and enter scattering timber, bears with hollow.

Asc.

- 33.00 Top of ridge, 150 ft. above hollow, bears N.  $10^{\circ} W.$  and SE.

Desc.

- 40.00 Set a limestone, 16x12x4 ins., 11 ins. in the ground, for  
sec. cor., mkd.  $\frac{1}{2}$  on W. face; from which

A pinon pine, 14 ins. dia., bears S.  $75^{\circ} W.$ , 175 lks.

dist.. mkd.  $\frac{1}{2}$  S 7 B T.

A pinon pine, 12 ins. dia., bears N.  $35^{\circ} E.$ , 125 lks.

dist.. mkd.  $\frac{1}{2}$  S 8 B T.

- 80.00 Set a sandstone, 18x9x4 ins., 12 ins. in the ground, for  
cor. of secs. 5, 6, 7, and 8, mkd. with 5 notches on S. and E.  
edges; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Land, mountainous.

Soil, gravelly; 3rd rate.

Subdivision of T.5 S., R.7 W.-Continued.

Chs. Timber, pinon pine, red pine, and cedar.  
Good grass for grazing.  
Mountainous or heavily timber land, 80.00 chs.  
July 2, 1904: At this cor. I set off  $23^{\circ} 3' N.$ , on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is  $40^{\circ} 05' N.$ , which is the proper lat. nearly.

S.  $89^{\circ} 56' E.$ , on a random line bet. secs. 5 and 8..

40.00 Set temp. & sec. cor.

80.42 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 4, 5, 6, and 9.

Thence I run

N.  $89^{\circ} 58' W.$ , on a true line bet. secs. 5 and 8.

Over mountainous land; through heavy timber.

Desc.

11.00 Bottom of hollow, 150 ft. below sec. cor., course N.  $20^{\circ} W.$ . Asc.

31.00 Top of ridge, 600 ft. above hollow, bears N. and S.

Desc.

40.21 Set a limestone, 16x10x4 ins., 11 ins. in the ground, for sec. cor... mkd. & on N. face; from which  
A red pine, 7 ins. dia., bears N.  $44^{\circ} W.$ , 20 lks.  
dist. mkd. & S 5 B T.  
A red pine, 8 ins. dia., bears S.  $36^{\circ} E.$ , 35 lks.  
dist. mkd. & S 8 B T.

58.00 Leave timber, bears N. and S.

60.00 Bottom of hollow, 600 ft. below ridge, course NE.  
Asc.

60.42 The cor. of secs. 5, 6, 7, and 8.

Land, mountainous.

Soil, gravelly; 3rd rate.

Subdivision of T.5 S. R.7 W. Continued.

- |       |                                                                                                                                                                                                |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chs.  | Timber, pinon pine and cedar.<br>Good grass for grazing.<br>Mountainous or heavily timbered land, 80.42 chs.                                                                                   |
|       | <hr/>                                                                                                                                                                                          |
|       | N. 89° 52' W., on a random line bet. secs. 6 and 7.                                                                                                                                            |
| 40.00 | Set temp. $\frac{1}{2}$ sec. cor.                                                                                                                                                              |
| 78.12 | Intersect W. bdy. of Tp., 23 lks. S. of the cor. of secs. 1, 6, 7, and 12, heretofore described.<br>Thence 1. run.                                                                             |
|       | S. 89° 42' E., on a true line bet. secs. 6 and 7.                                                                                                                                              |
|       | Over mountainous land; through heavy timber;                                                                                                                                                   |
|       | Desc.                                                                                                                                                                                          |
| 13.00 | Bottom of hollow, 160 ft. below sec. cor. course NE.                                                                                                                                           |
|       | Asc. f                                                                                                                                                                                         |
| 28.00 | Top of ridge, 60 ft. above hollow bears NE and SW.                                                                                                                                             |
| 33.00 | Foot of descent, 100 ft. below spur, bears N. 20° E. and S. 20° W.                                                                                                                             |
|       | Enter bottom of Sam's Canon.                                                                                                                                                                   |
|       | Leave timber and enter dense undergrowth, bears N. 20° E. and S. 20° W.                                                                                                                        |
| 35.00 | Spring branch, 3 lks. wide, 3 ins. deep, course N. Heads at spring which bears S. 10° E., 5.00 chs. dist.                                                                                      |
| 38.12 | Set a sandstone, 24x16x3 ins., 18 ins. in the ground, for $\frac{1}{2}$ sec. cor.. mkd. $\frac{1}{2}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. |
| 43.00 | Leave canon bottom, bears N. 20° E. and S. 20° W.                                                                                                                                              |
|       | Leave undergrowth and enter scattering timber, bears N. 20° E. and S. 20° W.                                                                                                                   |
|       | Asc.                                                                                                                                                                                           |
| 71.50 | Top of ridge, 500 ft. above canon, bears N. 10° E. and S. 10° W.                                                                                                                               |
|       | Desc.                                                                                                                                                                                          |
| 78.12 | Point 200 ft. below ridge.                                                                                                                                                                     |

Subdivision of T 5 S R 7 W -Continued

Chs. The cor.of secs.5,6,7, and 8.

Land, mountainous and level.

Soil, gravelly and rocky; 3rd and 4th rate.

Timber, pinon pine and cedar.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 78.12 chs.

N.0°4'W., on a true line bet..secs. 5 and 6.

Over mountainous land; through scattering timber, and dense undergrowth.

Desc.along east side of ridge.

40.00 Set a sandstone, 15x10x4 ins., 10 ins.in the ground, for 1 sec.cor., mkd.  $\frac{1}{2}$  on W.face; from which

A pinon pine, 6 ins.dia., bears N.60°E., 50 lks.  
dist.. mkd.  $\frac{1}{2}$  S 5 B T.

A pinon pine, 7 ins.dia., bears S.70°W., 50 lks.  
dist.. mkd.  $\frac{1}{2}$  S 6 B T.

78.62 Intersect 1st Standard Parallel South, 13.70 chs.East, of the standard cor.of secs.31 and 32, which is a sandstone, 6x14x6 ins.above ground, firmly set, and marked and witnessed as described by Deputies Stewart and Booth.

Set a limestone, 24x12x8 ins., 18 ins.in the ground, for closing cor.of secs.5 and 6,mkd.C C on S., with 5 grooves on E. and 1 groove on W.faces; from which

A pinon pine, 5 ins.dia., bears S.15°E., 19 lks.  
dist.. mkd.T 5 S R 7 W S 5 B F.

A pinon pine, 12 ins.dia., bears S.50°W., 34 lks.  
dist.. mkd.T 5 S I 7 WS 6 B T.

Land, mountainous.

Soil , gravelly and white clay; 3rd rate.

Subdivision of T.5 S. R.7 W.-Continued.

Sec. Timber, pinon pine and cedar.

Undergrowth, sage and deer brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,  
79.62 chs.

July 2, 1904.

General Description.

This township is rough and mountainous, being cut through by Indian, Lake, Dry, and Sam's Canons. The divide ridges between these canons are from 1000 ft. to 1600 ft. above the canon bottoms.

The soil is generally gravelly and white clay; 3rd rate; except in some of the canon bottoms where the soil is gravelly loam; 2nd rate.

The township is well timbered with cedar, red pine, and pinon pine; pinon pine predominating.

There is some water in Indian, Lake, and Sam's Canons, but there is not enough in either of the canons to carry on any very extensive irrigation.

There is some elaterite float in the bottoms of Lake, Dry, and Sam's canons, but the indications are not sufficient, in my opinion, to class the same as mineral lands.

There are no settlers in the township.

*Andy J. Stewart*  
U.S. Deputy Surveyor

July 2, 1904.

# FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by John R. Stewart and Andy J. Stewart, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the subdivision of T. 6d, R. 3<sup>W</sup>; T. 7d, R. 5<sup>W</sup>; T. 6d, R. 6<sup>W</sup>, and T. 5d, R. 7<sup>W</sup>, Uintah Special Base and meridian, Utah, showing the respective capacities in which they acted:

J. Frank Hoyt, Chainman.  
John H. Kinke, Chainman.  
Harvey R. Booth, Moundman.  
Elmer A. Jacobs, Moundman.  
George T. Littleley, Axman.  
Bert Carter, Axman.  
Arthur Harris, Flagman.

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andy J. Stewart, United States Deputy Surveyor, in surveying all those parts or portions of the subdivision of T. 6d, R. 3<sup>W</sup>; T. 7d, R. 5<sup>W</sup>; T. 6d, R. 6<sup>W</sup>; and T. 5d, R. 7<sup>W</sup>,

of the Uintah  
Special Base and meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

J. Frank Hoyt, Chainman.  
John H. Kinke, Chainman.  
Harvey R. Booth, Moundman.  
Elmer A. Jacobs, Moundman.  
George T. Littleley, Axman.  
Bert Carter, Axman.  
Arthur Harris, Flagman.

Subscribed and sworn to before me this 1<sup>st</sup> day of August 1904, 1899



Andy J. Stewart  
U.S. Dep't. Sur.

**FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.**

I, Andy J. Stewart, United States Deputy Surveyor, do  
solemnly swear that, in pursuance of a contract received from Edward H. Anderson,  
United States Surveyor General for Utah, bearing date of the  
22d day of July, 1903, I have well, faithfully, and truly, in my own  
proper person, and in strict conformity with the instructions furnished by the United States Surveyor  
General for Utah, the Manual of Surveying Instructions, and the laws of the  
United States, surveyed all those parts or portions of the subdivision of T. 6 d., R. 23,  
N., T. 7 d., R. 5 W.; T. 6 d., R. 6 W.; and T. 5 d., R. 7 W.  
of the Uintah Special Base and Meridian, in the State of Utah, which are represented in the  
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly  
swear that all the corners of said survey have been established and perpetuated in strict accordance with  
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor  
General for Utah, and in the specific manner described in the field notes, and that  
the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer  
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Andy J. Stewart  
United States Deputy Surveyor.

Subscribed by said Andy J. Stewart, and sworn to before me  
this 17th day of September, 1904.

888908  
888909

Edward H. Anderson  
United States Surveyor General  
for Utah

**APPROVAL.**

**OFFICE OF THE UNITED STATES SURVEYOR GENERAL.**

Salt Lake City, Utah, October 18, 1904.

The foregoing field notes of the survey of Subdivision of Township No. 5 South  
Rango No. 7 West of the Uintah Special Base and Meridian, Utah,

executed by John W. Stewart and Andy J. Stewart,

under the contract No. 271, dated July 22, 1903, having been  
critically examined, and the necessary corrections and explanations made, the said field notes, and the  
surveys they describe, are hereby approved.

Edward H. Anderson  
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in  
this office, has been correctly copied from the original notes on file in this office.